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CHAPTER 19.28 RCW

ELECTRICIANS AND ELECTRICAL INSTALLATIONS

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PROVISIONS APPLICABLE TO ELECTRICAL INSTALLATIONS

RCW 19.28.006 Definitions.

The definitions in this section apply throughout this subchapter.

- (1) "**Administrator**" means a person designated by an electrical contractor to supervise electrical work and electricians in accordance with the rules adopted under this chapter.
- (2) "**Board**" means the electrical board under RCW 19.28.311.
- (3) "**Chapter**" or "**subchapter**" means the subchapter, if no chapter number is referenced.
- (4) "**Department**" means the department of labor and industries.
- (5) "**Director**" means the director of the department or the director's designee.
- (6) "**Electrical construction trade**" includes but is not limited to installing or maintaining electrical wires and equipment that are used for light, heat, or power and installing and maintaining remote control, signaling, power limited, or communication circuits or systems.
- (7) "**Electrical contractor**" means a person, firm, partnership, corporation, or other entity that offers to undertake, undertakes, submits a bid for, or does the work of installing or maintaining wires or equipment that convey electrical current.
- (8) "**Equipment**" means any equipment or apparatus that directly uses, conducts, or is operated by electricity but does not mean plug-in household appliances.
- (9) "**Industrial control panel**" means a factory-wired or user-wired assembly of industrial control equipment such as motor controllers, switches, relays, power supplies, computers, cathode ray tubes, transducers, and auxiliary devices. The panel may include disconnect means and motor branch circuit protective devices.
- (10) "**Journeyman electrician**" means a person who has been issued a journeyman electrician certificate of competency by the department.
- (11) "**Specialty electrician**" means a person who has been issued a specialty electrician certificate of competency by the department.

RCW 19.28.010 Electrical wiring requirements—General—Exceptions.

- (1) All wires and equipment, and installations thereof, that convey electric current and installations of equipment to be operated by electric current, in, on, or about buildings or structures, except for telephone, telegraph, radio, and television wires and equipment, and television antenna installations, signal strength amplifiers, and coaxial installations pertaining thereto shall be in strict conformity with this chapter, the statutes of the state of Washington, and the rules issued by the department, and shall be in conformity with approved methods of construction for safety to life and property. All wires and equipment that fall within section 90.2(b)(5) of the National Electrical Code, 1981 edition, are exempt from the requirements of this chapter. The regulations and articles in the National Electrical Code, the national electrical safety code, and other installation and safety regulations approved by the national fire protection association, as modified or supplemented by rules issued by the department in furtherance of safety to life and property under authority hereby granted, shall be prima facie evidence of the approved methods of construction. All materials, devices, appliances, and equipment used in such installations shall be of a type that conforms to applicable standards or be indicated as acceptable by the established standards of any electrical product testing laboratory which is accredited by the department. Industrial control panels, utilization equipment, and their components do not need to be listed, labeled, or otherwise indicated as acceptable by an accredited electrical product testing laboratory unless specifically required by the National

Electrical Code, 1993 edition.

- (2) Residential buildings or structures moved into or within a county, city, or town are not required to comply with all of the requirements of this chapter, if the original occupancy classification of the building or structure is not changed as a result of the move. This subsection shall not apply to residential buildings or structures that are substantially remodeled or rehabilitated.
- (3) This chapter shall not limit the authority or power of any city or town to enact and enforce under authority given by law, any ordinance, rule, or regulation requiring an equal, higher, or better standard of construction and an equal, higher, or better standard of materials, devices, appliances, and equipment than that required by this chapter. A city or town shall require that its electrical inspectors meet the qualifications provided for state electrical inspectors in accordance with RCW 19.28.321. In a city or town having an equal, higher, or better standard the installations, materials, devices, appliances, and equipment shall be in accordance with the ordinance, rule, or regulation of the city or town. Electrical equipment associated with spas, hot tubs, swimming pools, and hydromassage bathtubs shall not be offered for sale or exchange unless the electrical equipment is certified as being in compliance with the applicable product safety standard by bearing the certification mark of an approved electrical products testing laboratory.
- (4) Nothing in this chapter may be construed as permitting the connection of any conductor of any electric circuit with a pipe that is connected with or designed to be connected with a waterworks piping system, without the consent of the person or persons legally responsible for the operation and maintenance of the waterworks piping system.

RCW 19.28.021 Disputes regarding local regulations—Arbitration—Appeal.

Disputes arising under RCW 19.28.010(3) regarding whether the city or town's electrical rules, regulations, or ordinances are equal to the rules adopted by the department shall be resolved by arbitration. The department shall appoint two members of the board to serve on the arbitration panel, and the city or town shall appoint two persons to serve on the arbitration panel. These four persons shall choose a fifth person to serve. If the four persons cannot agree on a fifth person, the presiding judge of the superior court of the county in which the city or town is located shall choose a fifth person. A decision of the arbitration panel may be appealed to the superior court of the county in which the city or town is located within thirty days after the date the panel issues its final decision.

RCW 19.28.031 Rules, regulations, and standards.

- (1) Prior to January 1st of each year, the director shall obtain an authentic copy of the national electrical code, latest revision. The department, after consulting with the board and receiving the board's recommendations, shall adopt reasonable rules in furtherance of safety to life and property. All rules shall be kept on file by the department. Compliance with the rules shall be prima facie evidence of compliance with this chapter. The department upon request shall deliver to all persons, firms, partnerships, corporations, or other entities licensed under this chapter a copy of the rules.
- (2) The department shall also obtain and keep on file an authentic copy of any applicable regulations and standards of any electrical product testing laboratory which is accredited by the department prescribing rules, regulations, and standards for electrical materials, devices, appliances, and equipment, including any modifications and changes that have been made during the previous year.

**RCW 19.28.041 License required—General or specialty licenses—Fees—
Application—Bond or cash deposit.**

(1) It is unlawful for any person, firm, partnership, corporation, or other entity to engage in, conduct, or carry on the business of installing or maintaining wires or equipment to convey electric current, or installing or maintaining equipment to be operated by electric current as it pertains to the electrical industry, without having an unrevoked, unsuspended, and unexpired electrical contractor license, issued by the department in accordance with this chapter. All electrical contractor licenses expire twenty-four calendar months following the day of their issue. The department may issue an electrical contractors license for a period of less than twenty-four months only for the purpose of equalizing the number of electrical contractor licenses that expire each month. Application for an electrical contractor license shall be made in writing to the department, accompanied by the required fee. The application shall state:

- (a) The name and address of the applicant; in case of firms or partnerships, the names of the individuals composing the firm or partnership; in case of corporations, the names of the managing officials thereof;
- (b) The location of the place of business of the applicant and the name under which the business is conducted;
- (c) Employer social security number;
- (d) Evidence of workers' compensation coverage for the applicant's employees working in Washington, as follows:
 - (i) The applicant's industrial insurance account number issued by the department;
 - (ii) The applicant's self-insurer number issued by the department; or
 - (iii) For applicants domiciled in a state or province of Canada subject to an agreement entered into under RCW 51.12.120(7), as permitted by the agreement, filing a certificate of coverage issued by the agency that administers the workers' compensation law in the applicant's state or province of domicile certifying that the applicant has secured the payment of compensation under the other state's or province's workers' compensation law;
- (e) Employment security department number;
- (f) State excise tax registration number;
- (g) Unified business identifier (UBI) account number may be substituted for the information required by (d) of this subsection if the applicant will not employ employees in Washington, and by (e) and (f) of this subsection; and
- (h) Whether a general or specialty electrical contractor license is sought and, if the latter, the type of specialty. Electrical contractor specialties include, but are not limited to: Residential, domestic appliances, pump and irrigation, limited energy system, signs, nonresidential maintenance, and a combination specialty. A general electrical contractor license shall grant to the holder the right to engage in, conduct, or carry on the business of installing or maintaining wires or equipment to carry electric current, and installing or maintaining equipment, or installing or maintaining material to fasten or insulate such wires or equipment to be operated by electric current, in the state of Washington. A specialty electrical contractor license shall grant to the holder a limited right to engage in, conduct, or carry on the business of installing or maintaining wires or equipment to carry electrical current, and installing or maintaining equipment; or installing or maintaining material to fasten or insulate such wires or equipment to be operated by electric current in the state of Washington as expressly allowed by the license.

(2) The department may verify the workers' compensation coverage information provided by the

applicant under subsection (1)(d) of this section, including but not limited to information regarding the coverage of an individual employee of the applicant. If coverage is provided under the laws of another state, the department may notify the other state that the applicant is employing employees in Washington.

- (3) The application for a contractor license shall be accompanied by a bond in the sum of four thousand dollars with the state of Washington named as obligee in the bond, with good and sufficient surety, to be approved by the department. The bond shall at all times be kept in full force and effect, and any cancellation or revocation thereof, or withdrawal of the surety therefrom, suspends the license issued to the principal until a new bond has been filed and approved as provided in this section. Upon approval of a bond, the department shall on the next business day deposit the fee accompanying the application in the electrical license fund and shall file the bond in the office. The department shall upon request furnish to any person, firm, partnership, corporation, or other entity a certified copy of the bond upon the payment of a fee that the department shall set by rule. The fee shall cover but not exceed the cost of furnishing the certified copy. The bond shall be conditioned that in any installation or maintenance of wires or equipment to convey electrical current, and equipment to be operated by electrical current, the principal will comply with the provisions of this chapter and with any electrical ordinance, building code, or regulation of a city or town adopted pursuant to RCW 19.28.010(3) that is in effect at the time of entering into a contract. The bond shall be conditioned further that the principal will pay for all labor, including employee benefits, and material furnished or used upon the work, taxes and contributions to the state of Washington, and all damages that may be sustained by any person, firm, partnership, corporation, or other entity due to a failure of the principal to make the installation or maintenance in accordance with this chapter or any applicable ordinance, building code, or regulation of a city or town adopted pursuant to RCW 19.28.010(3). In lieu of the surety bond required by this section the license applicant may file with the department a cash deposit or other negotiable security acceptable to the department. If the license applicant has filed a cash deposit, the department shall deposit the funds in a special trust savings account in a commercial bank, mutual savings bank, or savings and loan association and shall pay annually to the depositor the interest derived from the account.
- (4) The department shall issue general or specialty electrical contractor licenses to applicants meeting all of the requirements of this chapter. The provisions of this chapter relating to the licensing of any person, firm, partnership, corporation, or other entity including the requirement of a bond with the state of Washington named as obligee therein and the collection of a fee therefor, are exclusive, and no political subdivision of the state of Washington may require or issue any licenses or bonds or charge any fee for the same or a similar purpose. No person, firm, partnership, corporation, or other entity holding more than one specialty contractor license under this chapter may be required to pay an annual fee for more than one such license or to post more than one four thousand dollar bond, equivalent cash deposit, or other negotiable security.
- (5) To obtain a general or specialty electrical contractor license the applicant must designate an individual who currently possesses an administrator's certificate as a general electrical contractor administrator or as a specialty electrical contractor administrator in the specialty for which application has been made. Administrator certificate specialties include but are not limited to: Residential, domestic, appliance, pump and irrigation, limited energy system, signs, nonresidential maintenance, and combination specialty. To obtain an administrator's certificate an individual must pass an examination as set forth in RCW 19.28.051 unless the applicant was a licensed electrical contractor at any time during 1974. Applicants who were electrical contractors licensed by the state of Washington at any time during 1974 are entitled to receive a general electrical contractor administrator's certificate without examination if the applicants apply prior to January 1, 1984. The board of electrical examiners shall certify to the department the names of all persons who are entitled to either a general or specialty electrical contractor administrator's certificate.

RCW 19.28.051 Examinations—Fees.

It shall be the purpose and function of the board to establish, in addition to a general electrical contractors' license, such classifications of specialty electrical contractors' licenses as it deems appropriate with regard to individual sections pertaining to state adopted codes in this chapter. In addition, it shall be the purpose and function of the board to establish and administer written examinations for general electrical administrators' certificates and the various specialty electrical administrators' certificates. Examinations shall be designed to reasonably insure that general and specialty electrical administrators' certificate holders are competent to engage in and supervise the work covered by this statute and their respective licenses. The examinations shall include questions from the following categories to assure proper safety and protection for the general public: (1) Safety, (2) state electrical code, and (3) electrical theory. The department with the consent of the board shall be permitted to enter into a contract with a professional testing agency to develop, administer, and score these examinations. The fee for the examination may be set by the department in its contract with the professional testing agency. The department may direct that the applicant pay the fee to the professional testing agency. The fee shall cover but not exceed the costs of preparing and administering the examination. It shall be the further purpose and function of this board to advise the director as to the need of additional electrical inspectors and compliance officers to be utilized by the director on either a full-time or part-time employment basis and to carry out the duties enumerated in RCW 19.28.161 through 19.28.271 as well as *generally advise the department on all matters relative to RCW 19.28.161 through 19.28.271.*

RCW 19.28.061 Electrical contractors—Designee of firm to take administrator's examination—Certificate duration, denial, renewal, nontransferable—Administrator's duties.

- (1) Each applicant for an electrical contractor's license, other than an individual, shall designate a supervisory employee or member of the firm to take the required administrator's examination. Effective July 1, 1987, a supervisory employee designated as the administrator shall be a full-time supervisory employee. This person shall be designated as administrator under the license. No person may qualify as administrator for more than one contractor. If the relationship of the administrator with the electrical contractor is terminated, the contractor's license is void within ninety days unless another administrator is qualified by the board. However, if the administrator dies, the contractor's license is void within one hundred eighty days unless another administrator is qualified by the board. A certificate issued under this section is valid for two years from the nearest birthdate of the administrator, unless revoked or suspended, and further is nontransferable. The department may deny an application for an administrator's certificate for up to two years if the applicant's previous administrator's certificate has been revoked for a serious violation and all appeals concerning the revocation have been exhausted. For the purposes of this section only, a serious violation is a violation that presents imminent danger to the public. The certificate may be renewed for a two-year period without examination by appropriate application unless the certificate has been revoked, suspended, or not renewed within ninety days after the expiration date. If the certificate is not renewed before the expiration date, the individual shall pay twice the usual fee. An individual holding more than one administrator's certificate under this chapter shall not be required to pay annual fees for more than one certificate. A person may take the administrator's test as many times as necessary without limit.
- (2) The administrator shall:
 - (a) Be a member of the firm or a supervisory employee and shall be available during working hours to carry out the duties of an administrator under this section;
 - (b) Ensure that all electrical work complies with the electrical installation laws and rules of the state;
 - (c) Ensure that the proper electrical safety procedures are used;

- (d) Ensure that all electrical labels, permits, and licenses required to perform electrical work are used;
 - (e) See that corrective notices issued by an inspecting authority are complied with; and
 - (f) Notify the department in writing within ten days if the administrator terminates the relationship with the electrical contractor.
- (3) The department shall not by rule change the administrator's duties under subsection (2) of this section.

RCW 19.28.071 Licensee's bond—Action on—Priorities—Cash deposit, payment from.

Any person, firm, or corporation sustaining any damage or injury by reason of the principal's breach of the conditions of the bond required under RCW 19.28.041 may bring an action against the surety named therein, joining in the action the principal named in the bond; the action shall be brought in the superior court of any county in which the principal on the bond resides or transacts business, or in the county in which the work was performed as a result of which the breach is alleged to have occurred; the action shall be maintained and prosecuted as other civil actions. Claims or actions against the surety on the bond shall be paid in full in the following order of priority: (1) Labor, including employee benefits, (2) materials and equipment used upon such work, (3) taxes and contributions due to the state, (4) damages sustained by any person, firm or corporation due to the failure of the principal to make the installation in accordance with the provisions of chapter 19.28 RCW, or any ordinance, building code, or regulation applicable thereto: PROVIDED, That the total liability of the surety on any bond shall not exceed the sum of four thousand dollars and the surety on the bond shall not be liable for monetary penalties; and any action shall be brought within one year from the completion of the work in the performance of which the breach is alleged to have occurred. The surety shall mail a conformed copy of the judgment against the bond to the department within seven days.

In the event that a cash or securities deposit has been made in lieu of the surety bond, and in the event of a judgment being entered against such depositor and deposit, the director shall upon receipt of a certified copy of a final judgment, pay said judgment from such deposit.

RCW 19.28.081 Actions—Local permits—Proof of licensure.

No person, firm or corporation engaging in, conducting or carrying on the business of installing wires or equipment to convey electric current, or installing apparatus to be operated by said current, shall be entitled to commence or maintain any suit or action in any court of this state pertaining to any such work or business, without alleging and proving that such person, firm or corporation held, at the time of commencing and performing such work, an unexpired, unrevoked and unsuspended license issued under the provisions of this chapter; and no city or town requiring by ordinance or regulation a permit for inspection or installation of such electrical work, shall issue such permit to any person, firm or corporation not holding such license.

RCW 19.28.091 Licensing—Exemptions.

- (1) No license under the provision of this chapter shall be required from any utility or any person, firm, partnership, corporation, or other entity employed by a utility because of work in connection with the installation, repair, or maintenance of lines, wires, apparatus, or equipment owned by or under the control of a utility and used for transmission or distribution of electricity from the source of supply to the point of contact at the premises and/or property to be supplied and service connections and meters and other apparatus or appliances used in the measurement of the consumption of electricity by the customer.

- (2) No license under the provisions of this chapter shall be required from any utility because of work in connection with the installation, repair, or maintenance of the following:
- (a) Lines, wires, apparatus, or equipment used in the lighting of streets, alleys, ways, or public areas or squares;
 - (b) Lines, wires, apparatus, or equipment owned by a commercial, industrial, or public institution customer that are an integral part of a transmission or distribution system, either overhead or underground, providing service to such customer and located outside the building or structure: PROVIDED, That a utility does not initiate the sale of services to perform such work;
 - (c) Lines and wires, together with ancillary apparatus, and equipment, owned by a customer that is an independent power producer who has entered into an agreement for the sale of electricity to a utility and that are used in transmitting electricity from an electrical generating unit located on premises used by such customer to the point of interconnection with the utility's system.
- (3) Any person, firm, partnership, corporation, or other entity licensed under RCW 19.28.041 may enter into a contract with a utility for the performance of work under subsection (2) of this section.
- (4) No license under the provisions of this chapter shall be required from any person, firm, partnership, corporation, or other entity because of the work of installing and repairing ignition or lighting systems for motor vehicles.
- (5) No license under the provisions of this chapter shall be required from any person, firm, partnership, corporation, or other entity because of work in connection with the installation, repair, or maintenance of wires and equipment, and installations thereof, exempted in RCW 19.28.010.
- (6) The department may by rule exempt from licensing requirements under this chapter work performed on premanufactured electric power generation equipment assemblies and control gear involving the testing, repair, modification, maintenance, or installation of components internal to the power generation equipment, the control gear, or the transfer switch.

RCW 19.28.101 Inspections—Notice to repair and change—Disconnection—Entry—Concealment—Accessibility—Connection to utility—Permits, fees—Limitation.

- (1) The director shall cause an inspector to inspect all wiring, appliances, devices, and equipment to which this chapter applies. Nothing contained in this chapter may be construed as providing any authority for any subdivision of government to adopt by ordinance any provisions contained or provided for in this chapter except those pertaining to cities and towns pursuant to RCW 19.28.010(3).
- (2) Upon request, electrical inspections will be made by the department within forty-eight hours, excluding holidays, Saturdays, and Sundays. If, upon written request, the electrical inspector fails to make an electrical inspection within twenty-four hours, the serving utility may immediately connect electrical power to the installation if the necessary electrical work permit is displayed: PROVIDED, That if the request is for an electrical inspection that relates to a mobile home installation, the applicant shall provide proof of a current building permit issued by the local government agency authorized to issue such permits as a prerequisite for inspection approval or connection of electrical power to the mobile home.
- (3) Whenever the installation of any wiring, device, appliance, or equipment is not in accordance with this chapter, or is in such a condition as to be dangerous to life or property, the person, firm, partnership, corporation, or other entity owning, using, or operating it shall be notified by the department and shall within fifteen days, or such further reasonable time as may upon request be granted, make such repairs and changes as are required to remove the danger to

life or property and to make it conform to this chapter. The director, through the inspector, is hereby empowered to disconnect or order the discontinuance of electrical service to conductors or equipment that are found to be in a dangerous or unsafe condition and not in accordance with this chapter. Upon making a disconnection the inspector shall attach a notice stating that the conductors have been found dangerous to life or property and are not in accordance with this chapter. It is unlawful for any person to reconnect such defective conductors or equipment without the approval of the department, and until the conductors and equipment have been placed in a safe and secure condition, and in a condition that complies with this chapter.

- (4) The director, through the electrical inspector, has the right during reasonable hours to enter into and upon any building or premises in the discharge of his or her official duties for the purpose of making any inspection or test of the installation of new construction or altered electrical wiring, electrical devices, equipment, or material contained in or on the buildings or premises. No electrical wiring or equipment subject to this chapter may be concealed until it has been approved by the inspector making the inspection. At the time of the inspection, electrical wiring or equipment subject to this chapter must be sufficiently accessible to permit the inspector to employ any testing methods that will verify conformance with the national electrical code and any other requirements of this chapter.
- (5) Persons, firms, partnerships, corporations, or other entities making electrical installations shall obtain inspection and approval from an authorized representative of the department as required by this chapter before requesting the electric utility to connect to the installations. Electric utilities may connect to the installations if approval is clearly indicated by certification of the electrical work permit required to be affixed to each installation or by equivalent means, except that increased or relocated services may be reconnected immediately at the discretion of the utility before approval if an electrical work permit is displayed. The permits shall be furnished upon payment of the fee to the department.
- (6) The director, subject to the recommendations and approval of the board, shall set by rule a schedule of license and electrical work permit fees that will cover the costs of administration and enforcement of this chapter. The rules shall be adopted in accordance with the administrative procedure act, chapter 34.05 RCW. No fee may be charged for plug-in mobile homes, recreational vehicles, or portable appliances.
- (7) Nothing in this chapter shall authorize the inspection of any wiring, appliance, device, or equipment, or installations thereof, by any utility or by any person, firm, partnership, corporation, or other entity employed by a utility in connection with the installation, repair, or maintenance of lines, wires, apparatus, or equipment owned by or under the control of the utility. All work covered by the national electric code not exempted by the 1981 edition of the national electric code 90-2(B)(5) shall be inspected by the department.

RCW 19.28.111 Nonconforming installations—Disputes—Reference to board.

It is unlawful for any person, firm, partnership, corporation, or other entity to install or maintain any electrical wiring, appliances, devices, or equipment not in accordance with this chapter. In cases where the interpretation and application of the installation or maintenance standards prescribed in this chapter is in dispute or in doubt, the board shall, upon application of any interested person, firm, partnership, corporation, or other entity, determine the methods of installation or maintenance or the materials, devices, appliances, or equipment to be used in the particular case submitted for its decision.

RCW 19.28.121 Board—Request for ruling—Fee—Costs.

Any person, firm, partnership, corporation, or other entity desiring a decision of the board pursuant to RCW 19.28.111 shall, in writing, notify the director of such desire and shall accompany the notice with a certified check payable to the department in the sum of two hundred dollars. The notice shall specify the

ruling or interpretation desired and the contention of the person, firm, partnership, corporation, or other entity as to the proper interpretation or application on the question on which a decision is desired. If the board determines that the contention of the applicant for a decision was proper, the two hundred dollars shall be returned to the applicant; otherwise it shall be used in paying the expenses and per diem of the members of the board in connection with the matter. Any portion of the two hundred dollars not used in paying the per diem and expenses of the board in the case shall be paid into the electrical license fund.

RCW 19.28.131 Violations of *RCW 19.28.010 through 19.28.360—Schedule of penalties—Appeal.

Any person, firm, partnership, corporation, or other entity violating any of the provisions of RCW 19.28.010 through 19.28.141 and 19.28.311 through 19.28.361 shall be assessed a penalty of not less than fifty dollars or more than ten thousand dollars. The department shall set by rule a schedule of penalties for violating RCW 19.28.010 through 19.28.141 and 19.28.311 through 19.28.361. The department shall notify the person, firm, partnership, corporation, or other entity violating any of the provisions of RCW 19.28.010 through 19.28.141 and 19.28.311 through 19.28.361 of the amount of the penalty and of the specific violation by certified mail, return receipt requested, sent to the last known address of the assessed party. Any penalty is subject to review by an appeal to the board. The filing of an appeal stays the effect of the penalty until the board makes its decision. The appeal shall be filed within twenty days after notice of the penalty is given to the assessed party by certified mail, return receipt requested, sent to the last known address of the assessed party and shall be made by filing a written notice of appeal with the department. The notice shall be accompanied by a certified check for two hundred dollars, which shall be returned to the assessed party if the decision of the department is not sustained by the board. If the board sustains the decision of the department, the two hundred dollars shall be applied by the department to the payment of the per diem and expenses of the members of the board incurred in the matter, and any balance remaining after payment of per diem and expenses shall be paid into the electrical license fund. The hearing and review procedures shall be conducted in accordance with chapter 34.05 RCW. The board shall assign its hearings to an administrative law judge to conduct the hearing and issue a proposed decision and order. The board shall be allowed a minimum of twenty days to review a proposed decision and shall issue its decision no later than the next regularly scheduled board meeting.

RCW 19.28.141 *RCW 19.28.210 inapplicable in certain cities and towns, electricity supply agency service areas, and rights of way of state highways.

The provisions of RCW 19.28.101 shall not apply:

- (1) Within the corporate limits of any incorporated city or town which has heretofore adopted and enforced or subsequently adopts and enforces an ordinance requiring an equal, higher or better standard of construction and of materials, devices, appliances and equipment than is required by this chapter.
- (2) Within the service area of an electricity supply agency owned and operated by a city or town which is supplying electricity and enforcing a standard of construction and materials outside its corporate limits at the time this act takes effect: PROVIDED, That such city, town or agency shall henceforth enforce by inspection within its service area outside its corporate limits the same standards of construction and of materials, devices, appliances and equipment as is enforced by the department of labor and industries under the authority of this chapter: PROVIDED FURTHER, That fees charged henceforth in connection with such enforcement shall not exceed those established in RCW 19.28.101.
- (3) Within the rights of way of state highways, provided the state department of transportation maintains and enforces an equal, higher or better standard of construction and of materials, devices, appliances and equipment than is required by RCW 19.28.010 through 19.28.141 and 19.28.311 through 19.28.361.

RCW 19.28.151 RCW 19.28.010 through 19.28.141 and 19.28.311 through 19.28.361 inapplicable to telegraph or telephone companies exercising certain functions.

The provisions of RCW 19.28.010 through 19.28.141 and 19.28.311 through 19.28.361 shall not apply to the work of installing, maintaining or repairing any and all electrical wires, apparatus, installations or equipment used or to be used by a telegraph company or a telephone company in the exercise of its functions and located outdoors or in a building or buildings used exclusively for that purpose.

RCW 19.28.161 Certificate of competency required—Electrical training certificate—Fee—Verification and attestation of training hours.

- (1) No person may engage in the electrical construction trade without having a current journeyman electrician certificate of competency or a current specialty electrician certificate of competency issued by the department in accordance with this chapter. Electrician certificate of competency specialties include, but are not limited to: Residential, domestic appliances, pump and irrigation, limited energy system, signs, and nonresidential maintenance.
- (2) A person who is indentured in an apprenticeship program approved under chapter 49.04 RCW for the electrical construction trade or who is learning the electrical construction trade may work in the electrical construction trade if supervised by a certified journeyman electrician or a certified specialty electrician in that electrician's specialty. All apprentices and individuals learning the electrical construction trade shall obtain an electrical training certificate from the department. The certificate shall authorize the holder to learn the electrical construction trade while under the direct supervision of a journeyman electrician or a specialty electrician working in his or her specialty. The holder of the electrical training certificate shall renew the certificate annually. At the time of renewal, the holder shall provide the department with an accurate list of the holder's employers in the electrical construction industry for the previous year and the number of hours worked for each employer. An annual fee shall be charged for the issuance or renewal of the certificate. The department shall set the fee by rule. The fee shall cover but not exceed the cost of administering and enforcing the trainee certification and supervision requirements of this chapter. Apprentices and individuals learning the electrical construction trade shall have their electrical training certificates in their possession at all times that they are performing electrical work. They shall show their certificates to an authorized representative of the department at the representative's request.
- (3) Any person who has been issued an electrical training certificate under this chapter may work if that person is under supervision. Supervision shall consist of a person being on the same job site and under the control of either a journeyman electrician or an appropriate specialty electrician who has an applicable certificate of competency issued under this chapter. Either a journeyman electrician or an appropriate specialty electrician shall be on the same job site as the noncertified individual for a minimum of seventy-five percent of each working day unless otherwise provided in this chapter.
- (4) The ratio of noncertified individuals to certified journeymen or specialty electricians working on a job site shall be:
 - (a) Not more than two noncertified individuals working on any one job site for every specialty electrician or journeyman electrician working as a specialty electrician; and
 - (b) Not more than one noncertified individual working on any one job site for every certified journeyman electrician, except that the ratio requirements shall be one certified journeyman electrician to no more than four students enrolled in and working as part of an electrical construction program at public community or technical colleges, or not-for-profit nationally accredited trade or technical schools licensed by the work force training and education coordinating board under chapter 28C.10 RCW. In meeting the ratio requirements for students enrolled in an electrical construction

program at a trade school, a trade school may receive input and advice from the electrical board.

An individual who has a current training certificate and who has successfully completed or is currently enrolled in an approved apprenticeship program or in an electrical construction program at public community or technical colleges, or not-for-profit nationally accredited technical or trade schools licensed by the work force training and education coordinating board under chapter 28C.10 RCW, may work without direct on-site supervision during the last six months of meeting the practical experience requirements of this chapter.

- (5) The electrical contractor shall accurately verify and attest to the electrical trainee hours worked by electrical trainees on behalf of the electrical contractor.

RCW 19.28.171 Electrical trainee hours—Audit—Rules—Confidentiality.

The department may audit the records of an electrical contractor that has verified the hours of experience submitted by an electrical trainee to the department under RCW 19.28.161(2) in the following circumstances: Excessive hours were reported; hours reported outside the normal course of the contractor's business; the type of hours reported do not reasonably match the type of permits purchased; or for other similar circumstances in which the department demonstrates a likelihood of excessive hours being reported. The department shall limit the audit to records necessary to verify hours. The department shall adopt rules implementing audit procedures. Information obtained from an electrical contractor under the provisions of this section is confidential and is not open to public inspection under chapter 42.17 RCW.

RCW 19.28.181 Application for certificate of competency.

Any person desiring to be issued a certificate of competency as provided in this chapter shall deliver evidence in a form prescribed by the department affirming that said person has met the qualifications required under RCW 19.28.191. An electrician from another jurisdiction applying for a certificate of competency must provide evidence in a form prescribed by the department affirming that the person has the equivalent qualifications to those required under RCW 19.28.191.

RCW 19.28.191 Certificate of competency—Eligibility for examination—Rules.

- (1) Upon receipt of the application, the department shall review the application and determine whether the applicant is eligible to take an examination for the journeyman or specialty certificate of competency.
 - (a) To be eligible to take the examination for a journeyman certificate the applicant must have:
 - (i) Worked in the electrical construction trade for a minimum of four years employed full time, of which two years shall be in industrial or commercial electrical installation under the supervision of a journeyman electrician and not more than a total of two years in all specialties under the supervision of a journeyman electrician or an appropriate specialty electrician; or
 - (ii) Successfully completed an apprenticeship program approved under chapter 49.04 RCW for the electrical construction trade.
 - (b) To be eligible to take the examination to become a specialty electrician the applicant shall have:
 - (i) Worked in that specialty of the electrical construction trade, under the supervision of a journeyman electrician or an appropriate specialty electrician,

for a minimum of two years employed full time; or

- (ii) Successfully completed an approved apprenticeship program under chapter 49.04 RCW for the applicant's specialty in the electrical construction trade.
 - (c) Any applicant who has successfully completed a two-year program in the electrical construction trade at public community or technical colleges, or not-for-profit nationally accredited technical or trade schools licensed by the work force training and education coordinating board under chapter 28C.10 RCW may substitute up to two years of the technical or trade school program for two years of work experience under a journeyman electrician. The applicant shall obtain the additional two years of work experience required in industrial or commercial electrical installation prior to the beginning, or after the completion, of the technical school program. Any applicant who has received training in the electrical construction trade in the armed service of the United States may be eligible to take the examination for the certificate of competency.
 - (d) No other requirement for eligibility may be imposed.
- (2) The department shall establish reasonable rules for the examinations to be given applicants for certificates of competency. In establishing the rules, the department shall consult with the board. Upon determination that the applicant is eligible to take the examination, the department shall so notify the applicant, indicating the time and place for taking the examination.

RCW 19.28.201 Examination—Contents—Times—Fees—Certification of results.

The department, in coordination with the board, shall prepare an examination to be administered to applicants for journeyman and specialty certificates of competency. The examination shall be constructed to determine:

- (1) Whether the applicant possesses varied general knowledge of the technical information and practical procedures that are identified with the status of journeyman electrician or specialty electrician; and
- (2) Whether the applicant is sufficiently familiar with the applicable electrical codes and the rules of the department pertaining to electrical installations and electricians.

The department shall, at least four times annually, administer the examination to persons eligible to take it under RCW 19.28.191. A person may take the journeyman or specialty test as many times as necessary without limit. All applicants shall, before taking the examination, pay the required examination fee to the agency administering the examination. The fee shall cover but not exceed the costs of preparing and administering the examination.

The department shall certify the results of the examination upon such terms and after such a period of time as the department, in cooperation with the board, deems necessary and proper.

- (3) The department upon the consent of the board may enter into a contract with a professional testing agency to develop, administer, and score journeyman and/or specialty electrician certification examinations. The department may set the examination fee by contract with the professional testing agency.

RCW 19.28.211 Certificate of competency—Issuance—Renewal—Continuing education—Fees—Effect.

- (1) The department shall issue a certificate of competency to all applicants who have passed the examination provided in RCW 19.28.201, and who have complied with RCW 19.28.161 through 19.28.271 and the rules adopted under this chapter. The certificate shall bear the date of issuance, and shall expire on the holder's birthday. The certificate shall be renewed

every three years, upon application, on or before the holder's birthdate. A fee shall be assessed for each certificate and for each annual renewal.

- (2) If the certificate holder demonstrates to the department that he or she has satisfactorily completed an annual eight-hour continuing education course, the certificate may be renewed without examination by appropriate application unless the certificate has been revoked, suspended, or not renewed within ninety days after the expiration date.
 - (a) The contents and requirements for satisfactory completion of the continuing education course shall be determined by the director and approved by the board.
 - (b) The department shall accept proof of a certificate holder's satisfactory completion of a continuing education course offered in another state as meeting the requirements for maintaining a current Washington state certificate of competency if the department is satisfied the course is comparable in nature to that required in Washington state for maintaining a current certificate of competency.
- (3) If the certificate is not renewed before the expiration date, the individual shall pay twice the usual fee. The department shall set the fees by rule for issuance and renewal of a certificate of competency. The fees shall cover but not exceed the costs of issuing the certificates and of administering and enforcing the electrician certification requirements of this chapter.
- (4) The certificates of competency and temporary permits provided for in this chapter grant the holder the right to work in the electrical construction trade as a journeyman electrician or specialty electrician in accordance with their provisions throughout the state and within any of its political subdivisions without additional proof of competency or any other license, permit, or fee to engage in such work.

RCW 19.28.221 Persons engaged in trade or business on July 16, 1973.

No examination shall be required of any applicant for a certificate of competency who, on July 16, 1973, was engaged in a bona fide business or trade as a journeyman electrician in the state of Washington. Applicants qualifying under this section shall be issued a certificate by the department upon making an application as provided in RCW 19.28.181 and paying the fee required under RCW 19.28.201: PROVIDED, That no applicant under this section shall be required to furnish such evidence as required by RCW 19.28.181.

RCW 19.28.231 Temporary permits.

The department is authorized to grant and issue temporary permits in lieu of certificates of competency whenever an electrician coming into the state of Washington from another state requests the department for a temporary permit to engage in the electrical construction trade as an electrician during the period of time between filing of an application for a certificate as provided in RCW 19.28.181 and the date the results of taking the examination provided for in RCW 19.28.201 are furnished to the applicant. The department is authorized to enter into reciprocal agreements with other states providing for the acceptance of such states' journeyman and speciality electrician certificate of competency or its equivalent when such states requirements are equal to the standards set by this chapter. No temporary permit shall be issued to:

- (1) Any person who has failed to pass the examination for a certificate of competency, except that any person who has failed the examination for competency under this section shall be entitled to continue to work under a temporary permit for ninety days if the person is enrolled in a journeyman electrician refresher course and shows evidence to the department that he or she has not missed any classes. The person, after completing the journeyman electrician refresher course, shall be eligible to retake the examination for competency at the next scheduled time.
- (2) Any applicant under this section who has not furnished the department with such evidence

required under RCW 19.28.181.

- (3) To any apprentice electrician.

RCW 19.28.241 Revocation of certificate of competency—Grounds—Procedure.

- (1) The department may revoke any certificate of competency upon the following grounds:
 - (a) The certificate was obtained through error or fraud;
 - (b) The holder thereof is judged to be incompetent to work in the electrical construction trade as a journeyman electrician or specialty electrician;
 - (c) The holder thereof has violated any of the provisions of RCW 19.28.161 through 19.28.271 or any rule adopted under this chapter.
- (2) Before any certificate of competency shall be revoked, the holder shall be given written notice of the department's intention to do so, mailed by registered mail, return receipt requested, to the holder's last known address. The notice shall enumerate the allegations against the holder, and shall give the holder the opportunity to request a hearing before the board. At the hearing, the department and the holder may produce witnesses and give testimony. The hearing shall be conducted in accordance with chapter 34.05 RCW. The board shall render its decision based upon the testimony and evidence presented, and shall notify the parties immediately upon reaching its decision. A majority of the board shall be necessary to render a decision.
- (3) The department shall immediately suspend the license or certificate of a person who has been certified pursuant to RCW 74.20A.320 by the department of social and health services as a person who is not in compliance with a support order. If the person has continued to meet all other requirements for reinstatement during the suspension, reissuance of the license or certificate shall be automatic upon the department's receipt of a release issued by the department of social and health services stating that the licensee is in compliance with the order.

RCW 19.28.251 Powers and duties of director—Administration of RCW 19.28.161 through 19.28.171 by the department.

The director may promulgate rules, make specific decisions, orders, and rulings, including demands and findings, and take other necessary action for the implementation and enforcement of RCW 19.28.161 through 19.28.271. In the administration of RCW 19.28.161 through 19.28.271 the department shall not enter any controversy arising over work assignments with respect to the trades involved in the construction industry.

RCW 19.28.261 Exemptions from RCW 19.28. 161 through 19.28.271.

Nothing in RCW 19.28.161 through 19.28.271 shall be construed to require that a person obtain a license or a certified electrician in order to do electrical work at his or her residence or farm or place of business or on other property owned by him or her unless the electrical work is on the construction of a new building intended for rent, sale, or lease. However, if the construction is of a new residential building with up to four units intended for rent, sale, or lease, the owner may receive an exemption from the requirement to obtain a license or use a certified electrician if he or she provides a signed affidavit to the department stating that he or she will be performing the work and will occupy one of the units as his or her principal residence. The owner shall apply to the department for this exemption and may only receive an exemption once every twenty-four months. It is intended that the owner receiving this exemption shall occupy the unit as his or her principal residence for twenty-four months after completion of the units. Nothing in RCW 19.28.161 through 19.28. 271 shall be intended to derogate from or dispense with the

requirements of any valid electrical code enacted by a city or town pursuant to RCW 19.28.010(3), except that no code shall require the holder of a certificate of competency to demonstrate any additional proof of competency or obtain any other license or pay any fee in order to engage in the electrical construction trade. RCW 19.28.161 through 19.28.271 shall not apply to common carriers subject to Part I of the Interstate Commerce Act, nor to their officers and employees. Nothing in RCW 19.28.161 through 19.28.271 shall be deemed to apply to the installation or maintenance of telephone, telegraph, radio, or television wires and equipment; nor to any electrical utility or its employees in the installation, repair, and maintenance of electrical wiring, circuits, and equipment by or for the utility, or comprising a part of its plants, lines or systems. The licensing provisions of RCW 19.28.161 through 19.28.271 shall not apply to:

- (1) Persons making electrical installations on their own property or to regularly employed employees working on the premises of their employer, unless the electrical work is on the construction of a new building intended for rent, sale, or lease;
- (2) Employees of an employer while the employer is performing utility type work of the nature described in RCW 19.28.091 so long as such employees have registered in the state of Washington with or graduated from a state-approved outside lineman apprenticeship course that is recognized by the department and that qualifies a person to perform such work; or
- (3) Any work exempted under RCW 19.28.091(6).

Nothing in RCW 19.28. 161 through 19.28.271 shall be construed to restrict the right of any householder to assist or receive assistance from a friend, neighbor, relative or other person when none of the individuals doing the electrical installation hold themselves out as engaged in the trade or business of electrical installations. Nothing precludes any person who is exempt from the licensing requirements of this chapter under this section from obtaining a journeyman or specialty certificate of competency if they otherwise meet the requirements of this chapter.

RCW 19.28.271 Violations of RCW 19.28.161 through 19.28.271—Schedule of penalties—Appeal.

- (1) It is unlawful for any person, firm, partnership, corporation, or other entity to employ an individual for purposes of RCW 19.28.161 through 19.28.271 who has not been issued a certificate of competency or a training certificate. It is unlawful for any individual to engage in the electrical construction trade or to maintain or install any electrical equipment or conductors without having in his or her possession a certificate of competency or a training certificate under RCW 19.28.161 through 19.28.271. Any person, firm, partnership, corporation, or other entity found in violation of RCW 19.28.161 through 19.28.271 shall be assessed a penalty of not less than fifty dollars or more than five hundred dollars. The department shall set by rule a schedule of penalties for violating RCW 19.28.161 through 19.28.271. An appeal may be made to the board as is provided in RCW 19.28.131. The appeal shall be filed within twenty days after the notice of the penalty is given to the assessed party by certified mail, return receipt requested, sent to the last known address of the assessed party and shall be made by filing a written notice of appeal with the department. Any equipment maintained or installed by any person who does not possess a certificate of competency under RCW 19.28.161 through 19.28.271 shall not receive an electrical work permit and electrical service shall not be connected or maintained to operate the equipment. Each day that a person, firm, partnership, corporation, or other entity violates RCW 19.28.161 through 19.28.271 is a separate violation.
- (2) A civil penalty shall be collected in a civil action brought by the attorney general in the county wherein the alleged violation arose at the request of the department if any of RCW 19.28.161 through 19.28.271 or any rules adopted under RCW 19.28.161 through 19.28.271 are violated.

PROVISIONS APPLICABLE TO ELECTRICAL INSTALLATIONS AND TELECOMMUNICATIONS INSTALLATIONS

RCW 19.28.301 Application—Subchapter heading.

- (1) RCW 19.28.311 through 19.28.381 apply throughout this chapter.
- (2) RCW 19.28.311 through 19.28.381 constitute the subchapter "provisions applicable to electrical installations and telecommunications installations."

RCW 19.28.311 Electrical board.

There is hereby created an electrical board, consisting of fourteen members to be appointed by the governor with the advice of the director of labor and industries as herein provided. It shall be the purpose and function of the board to advise the director on all matters pertaining to the enforcement of this chapter including, but not limited to standards of electrical and telecommunications installation, minimum inspection procedures, and the adoption of rules pertaining to the electrical inspection division: PROVIDED, HOWEVER, That no rules shall be amended or repealed until the electrical board has first had an opportunity to consider any proposed amendments or repeals and had an opportunity to make recommendations to the director relative thereto. The members of the electrical board shall be selected and appointed as follows: One member shall be an employee or officer of a corporation or public agency generating or distributing electric power; one member must be an employee or officer of a facilities-based telecommunications service provider regulated by the Washington state utilities and transportation commission; three members shall be licensed electrical contractors: PROVIDED, That one of these members may be a representative of a trade association in the electrical industry; one member shall be a licensed telecommunications contractor; one member shall be an employee, or officer, or representative of a corporation or firm engaged in the business of manufacturing or distributing electrical and telecommunications materials, equipment, or devices; one member shall be a person with knowledge of the electrical industry, not related to the electrical industry, to represent the public; three members shall be certified electricians; one member shall be a telecommunications worker; one member shall be a licensed professional electrical engineer qualified to do business in the state of Washington and designated as a registered communications distribution designer; and one nonvoting member must be a building official from an incorporated city or town with an electrical inspection program established under RCW 19.28.141. The regular term of each member shall be four years: PROVIDED, HOWEVER, The original board shall be appointed on June 9, 1988, for the following terms: The first term of the member representing a corporation or public agency generating or distributing electric power shall serve four years; two members representing licensed electrical contractors shall serve three years; the member representing a manufacturer or distributor of electrical equipment or devices shall serve three years; the member representing the public and one member representing licensed electrical contractors shall serve two years; the three members selected as certified electricians shall serve for terms of one, two, and three years, respectively; the member selected as the licensed professional electrical engineer shall serve for one year. In appointing the original board, the governor shall give due consideration to the value of continuity in membership from predecessor boards. Thereafter, the governor shall appoint or reappoint board members for terms of four years and to fill vacancies created by the completion of the terms of the original members. When new positions are created, the governor may appoint the initial members to the new positions to staggered terms of one to three years. The governor shall also fill vacancies caused by death, resignation, or otherwise for the unexpired term of such members by appointing their successors from the same business classification. The same procedure shall be followed in making such subsequent appointments as is provided for the original appointments. The board, at this first meeting shall elect one of its members to serve as chairman. Any person acting as the chief electrical inspector shall serve as secretary of the board during his or her tenure as chief state inspector. Meetings of the board shall be held at least quarterly in accordance with a schedule established by the board. Each member of the board shall receive compensation in accordance with RCW 43.03.240 and shall be reimbursed for travel expenses in accordance with RCW 43.03.050 and 43.03.060 which shall be paid out of the electrical license fund, upon vouchers approved by the director of labor and industries.

RCW 19.28.321 Enforcement—State electrical inspectors—Qualifications—Salaries and expenses.

The director of labor and industries of the state of Washington and the officials of all incorporated cities and towns where electrical inspections are required by local ordinances shall have power and it shall be their duty to enforce the provisions of this chapter in their respective jurisdictions. The director of labor and industries shall appoint a chief electrical inspector and may appoint other electrical inspectors as the director deems necessary to assist the director in the performance of the director's duties. The chief electrical inspector, subject to the review of the director, shall be responsible for providing the final interpretation of adopted state electrical standards, rules, and policies for the department and its inspectors, assistant inspectors, electrical plan examiners, and other individuals supervising electrical program personnel. If a dispute arises within the department regarding the interpretation of adopted state electrical standards, rules, or policies, the chief electrical inspector, subject to the review of the director, shall provide the final interpretation of the disputed standard, rule, or policy. All electrical inspectors appointed by the director of labor and industries shall have not less than: Four years experience as journeyman electricians in the electrical construction trade installing and maintaining electrical wiring and equipment, or two years electrical training in a college of electrical engineering of recognized standing and four years continuous practical electrical experience in installation work, or four years of electrical training in a college of electrical engineering of recognized standing and two years continuous practical electrical experience in electrical installation work; or four years experience as a journeyman electrician performing the duties of an electrical inspector employed by the department or a city or town with an approved inspection program under RCW 19.28.141, except that for work performed in accordance with the national electrical safety code and covered by this chapter, such inspections may be performed by a person certified as an outside journeyman lineman, under RCW 19.28.261(2), with four years experience or a person with four years experience as a certified outside journeyman lineman performing the duties of an electrical inspector employed by an electrical utility. Such state inspectors shall be paid such salary as the director of labor and industries shall determine, together with their travel expenses in accordance with RCW 43.03.050 and 43.03.060 as now existing or hereafter amended. As a condition of employment, inspectors hired exclusively to perform inspections in accordance with the national electrical safety code must possess and maintain certification as an outside journeyman lineman. The expenses of the director of labor and industries and the salaries and expenses of state inspectors incurred in carrying out the provisions of this chapter shall be paid entirely out of the electrical license fund, upon vouchers approved by the director of labor and industries.

RCW 19.28.331 Inspection reports.

If any inspection made under this chapter requires any correction or change in the work inspected, a written report of the inspection shall be made by the inspector, in which report the corrections or changes required shall be plainly stated. A copy of the report shall be furnished to the person, firm, partnership, corporation, or other entity doing the installation work, and a copy shall be filed with the department.

RCW 19.28.341 Revocation or suspension of license—Grounds—Appeal to board—Fee—Costs.

- (1) The department has the power, in case of serious noncompliance with the provisions of this chapter, to revoke or suspend for such a period as it determines, any electrical or telecommunications contractor license or electrical or telecommunications contractor administrator certificate issued under this chapter. The department shall notify the holder of the license or certificate of the revocation or suspension by certified mail. A revocation or suspension is effective twenty days after the holder receives the notice. Any revocation or suspension is subject to review by an appeal to the board. The filing of an appeal stays the effect of a revocation or suspension until the board makes its decision. The appeal shall be filed within twenty days after notice of the revocation or suspension is given by certified mail sent to the address of the holder of the license or certificate as shown on the application for

the license or certificate, and shall be effected by filing a written notice of appeal with the department, accompanied by a certified check for two hundred dollars, which shall be returned to the holder of the license or certificate if the decision of the department is not sustained by the board. The hearing shall be conducted in accordance with chapter 34.05 RCW. If the board sustains the decision of the department, the two hundred dollars shall be applied by the department to the payment of the per diem and expenses of the members of the board incurred in the matter, and any balance remaining after payment of per diem and expenses shall be paid into the electrical license fund.

- (2) The department shall immediately suspend the license or certificate of a person who has been certified pursuant to RCW 74.20A.320 by the department of social and health services as a person who is not in compliance with a support order. If the person has continued to meet all other requirements for reinstatement during the suspension, reissuance of the license or certificate shall be automatic upon the department's receipt of a release issued by the department of social and health services stating that the licensee is in compliance with the order.

RCW 19.28.351 Electrical license fund.

All sums received from licenses, permit fees, or other sources, herein shall be paid to the state treasurer and placed in a special fund designated as the "electrical license fund," and by him paid out upon vouchers duly and regularly issued therefor and approved by the director of labor and industries or the director's designee following determination by the board that the sums are necessary to accomplish the intent of chapter 19.28 RCW. The treasurer shall keep an accurate record of payments into, or receipts of, said fund, and of all disbursements therefrom.

RCW 19.28.361 Liability for injury or damage.

Nothing contained in this chapter will be construed to relieve from or lessen the responsibility or liability of any person for injury or damage to person or property caused by or resulting from any defect of any nature in any electrical or telecommunications work performed by said person or in any electrical or telecommunications equipment owned, controlled, installed, operated or used by him or her; nor shall the state of Washington, or any officer, agent, or employee thereof incur or be held as assuming any liability by reason or in consequence of any permission, certificate of inspection, inspection or approval authorized herein, or issued or given as herein provided, or by reason of consequence of any things done or acts performed pursuant to any provision of this chapter.

RCW 19.28.371 Devices for diagnosis or treatment of disease or injury— Compliance with chapter.

Any device used or useful in the diagnosis or treatment of disease or injury which is not in violation of the Medical Device Amendments of 1976, Public Law No. 94-295, 90 Stat. 539, as amended from time to time, and as interpreted by the Food and Drug Administration of the United States Department of Health and Human Services or its successor, shall be deemed to be in compliance with all requirements imposed by this chapter.

RCW 19.28.381 Denial of renewal of certificate or license for outstanding penalties—Notice—Appeal—Hearing.

The department may deny renewal of a certificate or license issued under this chapter, if the applicant for renewal owes outstanding penalties for a final judgment under this chapter. The department shall notify the applicant of the denial by registered mail, return receipt requested, to the address on the application.

The applicant may appeal the denial within twenty days by filing a notice of appeal with the department accompanied by a certified check for two hundred dollars which shall be returned to the applicant if the decision of the department is not upheld by the board. The office of administrative hearings shall conduct the hearing under chapter 34.05 RCW. The electrical board shall review the proposed decision at the next regularly scheduled board meeting. If the board sustains the decision of the department, the two hundred dollars must be applied to the cost of the hearing.

PROVISIONS APPLICABLE TO TELECOMMUNICATIONS INSTALLATIONS

RCW 19.28.400 Definitions.

The definitions in this section apply throughout this subchapter unless the context clearly requires otherwise.

- (1) **"Telecommunications backbone cabling systems"** means a system that provides interconnections between telecommunications closets, equipment rooms, and entrance facilities in the telecommunications cabling system structure. Backbone cabling consists of the backbone cables, intermediate and main cross-connects, mechanical terminations, and patch cords or jumpers used for backbone to backbone cross-connection. Backbone cabling also includes cabling between buildings.
- (2) **"Board"** means the electrical board under RCW 19.28.311.
- (3) **"Department"** means the department of labor and industries.
- (4) **"Director"** means the director of the department or the director's designee.
- (5) **"Telecommunications horizontal cabling systems"** means the portions of the telecommunications cabling system that extends [extend] from the work area telecommunications outlet or connector to the telecommunications closet. The horizontal cabling includes the horizontal cables, the telecommunications outlet or connector in the work area, the mechanical termination, and horizontal cross-connections located in the telecommunications closet.
- (6) **"Telecommunications network demarcation point"** means the point or interconnection between the service provider's communications cabling, terminal equipment, and protective apparatus and the customer's premises telecommunications cabling system. The location of this point for regulated carriers is determined by federal and state regulations. The carrier should be contacted to determine the location policies in effect in the area.
- (7) **"Telecommunications scope of work"** means the work of a telecommunications contractor. This includes the installation, maintenance, and testing of telecommunications systems, equipment, and associated hardware, pathway systems, and cable management systems, which excludes cable tray and conduit raceway systems. The scope also includes installation of open wiring systems of telecommunications cables, surface nonmetallic raceways designated and used exclusively for telecommunications, optical fiber innerduct raceway, underground raceways designated and used exclusively for telecommunications and installed for additions or extensions to existing telecommunications systems not to exceed fifty feet inside the building, and incidental short sections of circular or surface metal raceway, not to exceed ten feet, for access or protection of telecommunications cabling and installation of cable trays and ladder racks in telecommunications service entrance rooms, spaces, or closets.
- (8) A **"telecommunications structured cabling system"** is the complete collective configuration of cabling and associated hardware at a given site and installed to perform specific telecommunications functions.

- (9) **"Telecommunications administrator"** means a person designated by a telecommunications contractor to supervise the installation of telecommunications systems in accordance with rules adopted under this chapter.
- (10) **"Telecommunications closet"** means a room for housing telecommunications equipment, cable terminations, and cross-connect wiring that serve that particular floor. The closet is the recognized transition point between the backbone and horizontal cabling systems.
- (11) **"Telecommunications contractor"** means a person, firm, partnership, corporation, or other entity that advertises, offers to undertake, undertakes, submits a bid for, or does the work of installing or maintaining telecommunications systems.
- (12) **"Telecommunications service entrance room or space"** means a room or space used as the building serving facility in which the joining of inter-building and intra-building backbone facilities takes place. The service entrance room may also house electronic equipment serving any telecommunications function.
- (13) **"Telecommunications systems"** means structured cabling systems that begin at the demarcation point between the local service provider and the customer's premises structured cabling system.
- (a) Telecommunications systems encompass all forms of information generation, processing, and transporting of signals conveyed electronically or optically within or between buildings, including voice, data, video, and audio.
 - (b) Telecommunications systems include structured cabling systems, compatible connecting hardware, telecommunications equipment, premises switching equipment, infrared, fiber optic, radio-frequency, and other limited-energy interconnections associated with telecommunications systems or appliances.
 - (c) Telecommunications systems do not include horizontal cabling used for fire protection signaling systems, intrusion alarms, access control systems, patient monitoring systems, energy management control systems, industrial and automation control systems, HVAC/refrigeration control systems, lighting control systems, and stand-alone amplified sound or public address systems.
 - (d) Telecommunications systems may interface with other building signal systems including security, alarms, and energy management at cross-connection junctions within telecommunications closets or at extended points of demarcation. Telecommunications systems do not include the installation or termination of premises line voltage service, feeder, or branch circuit conductors or equipment.
- (14) **"Telecommunications worker"** means a person primarily and regularly engaged in the installation and/or maintenance of telecommunications systems, equipment, and infrastructure as defined in this chapter.
- (15) **"Telecommunications workstation"** means a building space where the occupant normally interacts with telecommunications equipment. The telecommunications outlet in the work area is the point at which end-user equipment plugs into the building telecommunications utility formed by the pathway, space, and building wiring system.

RCW 19.28.410 Telecommunications systems installations—Subject to this subchapter.

- (1) All installations of wires and equipment defined as telecommunications systems are subject to the requirements of this subchapter. Installations shall be in conformity with approved methods of construction for safety to life and property. The national electrical code, approved standards of the telecommunications industries association, the electronic industries association, the American national standards institute, and other safety standards approved by the department shall be evidence of approved methods of installation.

- (2) This chapter may not limit the authority or power of any city or town to enact and enforce under authority given by law in RCW 19.28.141, any ordinance, or rule requiring an equal, higher, or better standard of construction and an equal, higher, or better standard of materials, devices, appliances, and equipment than that required by this chapter.

RCW 19.28.420 Telecommunications contractor license—Application—Bond—Issuance of license.

- (1) It is unlawful for any person, firm, partnership, corporation, or other entity to advertise, offer to do work, submit a bid, engage in, conduct, or carry on the business of installing or maintaining telecommunications systems without having a telecommunications contractor license. Electrical contractors licensed as general electrical (01) or specialty electrical (06) contractors under chapter 19.28 RCW and their designated administrators qualify to perform all telecommunications work defined in this chapter. Telecommunications contractors licensed under this chapter are not required to be registered under chapter 18.27 RCW. All telecommunications licenses expire twenty-four calendar months following the day of their issue. A telecommunications contractor license is not required for a licensed specialty electrical contractor to perform telecommunications installations or maintenance integral to the equipment or occupancy limitations of their electrical specialty. A telecommunications contractor license is not required for persons making telecommunications installations or performing telecommunications maintenance on their own property or for regularly employed employees working on the premises of their employer, unless on a new building intended for rent, sale, or lease.
- (2) Application for a telecommunications contractor license shall be made in writing to the department accompanied by the required fee. The applications shall state:
- (a) The name and address of the applicant. In the case of firms or partnerships, the applications shall state the names of the individuals composing the firm or partnership. In the case of corporations, the applications shall state the names of the corporation's managing officials;
 - (b) The location of the place of business of the applicant and the name under which the business is conducted;
 - (c) The employer social security number or tax identification number;
 - (d) Evidence of workers' compensation coverage for the applicant's employees working in Washington, as follows:
 - (i) The applicant's industrial insurance account number issued by the department;
 - (ii) The applicant's self-insurer number issued by the department; or
 - (iii) For applicants domiciled in a state or province of Canada subject to an agreement entered into under RCW 51.12.120(7), as permitted by the agreement, filing a certificate of coverage issued by the agency that administers the workers' compensation law in the applicant's state or province of domicile certifying that the applicant has secured the payment of compensation under the other state's or province's workers' compensation law;
 - (e) The employment security department number; and
 - (f) The state excise tax registration number.
- (3) The unified business identifier account number may be substituted for the information required by subsection (2)(d), (e), and (f) of this section if the applicant will not employ employees in Washington.
- (4) The department may verify the workers' compensation coverage information provided by the

applicant under subsection (2)(d) of this section including, but not limited to, information regarding the coverage of an individual employee of the applicant. If coverage is provided under the laws of another state, the department may notify the other state that the applicant is employing employees in Washington.

- (5) To obtain a telecommunications contractor license the applicant must designate an individual who currently possesses a telecommunications administrator certificate. To obtain an administrator's certificate an individual must pass an examination as set forth in this chapter. Examination criteria will be determined by the board.
- (6) No examination may be required of any applicant for an initial telecommunications administrator certificate qualifying under this section. Applicants qualifying under this section shall be issued an administrator certificate by the department upon making an application and paying the required fee. Individuals must apply before July 1, 2001, to qualify for an administrator certificate without examination under this section. The board shall certify to the department the names of all persons entitled to this administrator certificate.

Prior to July 1, 2001, bona fide registered contractors under chapter 18.27 RCW engaged in the business of installing or maintaining telecommunications wiring in this state on or before June 8, 2000, may designate the following number of persons to receive a telecommunications administrator certificate without examination:

- (a) One owner or officer of a contractor, registered under chapter 18.27 RCW on or before June 8, 2000, currently engaged in the business of installing telecommunications wiring;
 - (b) One employee, principal, or officer, with a minimum of two years experience performing telecommunications installations, per registered telecommunication[s] contractor; and
 - (c) One employee for each one hundred employees, or fraction thereof, with a minimum of two years experience performing telecommunications installations.
- (7) The application for a contractor license shall be accompanied by a bond in the sum of four thousand dollars with the state of Washington named as obligee in the bond, with good and sufficient surety, to be approved by the department. The bond shall at all times be kept in full force and effect, and any cancellation or revocation thereof, or withdrawal of the surety therefrom, suspends the license issued to the principal until a new bond has been filed and approved as provided in this section. Upon approval of a bond, the department shall, on the next business day, deposit the fee accompanying the application in the electrical license fund and shall file the bond in the office. The department shall, upon request, furnish to any person, firm, partnership, corporation, or other entity a certified copy of the bond upon the payment of a fee that the department shall set by rule. The fee shall cover but not exceed the cost of furnishing the certified copy. The bond shall be conditioned that the principal will pay for all labor, including employee benefits, and material furnished or used upon the work, taxes and contributions to the state of Washington, and all damages that may be sustained by any person, firm, partnership, corporation, or other entity due to a failure of the principal to make the installation or maintenance in accordance with this chapter. In lieu of the surety bond required by this section the applicant may file with the department a cash deposit or other negotiable security acceptable to the department. If the applicant has filed a cash deposit, the department shall deposit the funds in a special trust savings account in a commercial bank, mutual savings bank, or savings and loan association and shall pay annually to the depositor the interest derived from the account.
- (8) Any person, firm, or corporation sustaining any damage or injury by reason of the principal's breach of the conditions of the bond required under this section may bring an action against the surety named therein, joining in the action the principal named in the bond; the action shall be brought in the superior court of any county in which the principal on the bond resides or transacts business, or in the county in which the work was performed as a result of which the breach is alleged to have occurred; the action shall be maintained and prosecuted as other civil actions. Claims or actions against the surety on the bond shall be paid in full in the

following order of priority: (a) Labor, including employee benefits, (b) materials and equipment used upon such work, (c) taxes and contributions due to the state, (d) damages sustained by any person, firm, or corporation due to the failure of the principal to make the installation in accordance with this chapter, or any ordinance, building code, or regulation applicable thereto.

However, the total liability of the surety on any bond may not exceed the sum of four thousand dollars, and the surety on the bond may not be liable for monetary penalties. Any action shall be brought within one year from the completion of the work in the performance of which the breach is alleged to have occurred. The surety shall mail a conformed copy of the judgment against the bond to the department within seven days. In the event that a cash or securities deposit has been made in lieu of the surety bond, and in the event of a judgment being entered against the depositor and deposit, the director shall upon receipt of a certified copy of a final judgment, pay the judgment from the deposit.

- (9) The department shall issue a telecommunications contractor license to applicants meeting all of the requirements of this chapter applicable to electrical and telecommunications installations. The provisions of this chapter relating to the licensing of any person, firm, partnership, corporation, or other entity including the requirement of a bond with the state of Washington named as obligee and the collection of a fee for that bond, are exclusive, and no political subdivision of the state of Washington may require or issue any licenses or bonds or charge any fee for the same or a similar purpose.

RCW 19.28.430 Administrator's examination—Certificate—Administrator's requirements.

- (1) Each applicant for a telecommunications contractor license shall designate a supervisory employee or member of the firm to take the administrator's examination. This person shall be designated as administrator under the contractor's license and must be a full-time supervisory employee of the applicant. No person may qualify as administrator for more than one contractor. If the relationship of the administrator with the telecommunications contractor is terminated, the contractor's license is void within ninety days unless another administrator is qualified by the board. However, if the administrator dies, the contractor's license is void within one hundred eighty days unless another administrator is qualified by the board.
- (2) A certificate issued under this section is valid for two years from the nearest birthdate of the administrator, unless revoked or suspended, and is nontransferable. The certificate may be renewed for a two-year period without examination by appropriate application unless the certificate has been revoked, suspended, or not renewed within ninety days after the expiration date. If the certificate is not renewed before the expiration date, the individual shall pay twice the usual fee. A person may take the administrator's test as many times as necessary to pass, without limit.
- (3) The administrator shall:
 - (a) Be a member of the firm or a supervisory employee and shall be available during working hours to carry out the duties of an administrator under this section;
 - (b) Ensure that all telecommunications work complies with the telecommunication[s] installation laws and rules;
 - (c) Ensure proper permits are required and inspections made;
 - (d) See that corrective notices issued by an inspecting authority are complied with; and
 - (e) Notify the department in writing within ten days if the administrator relationship is terminated with the telecommunications contractor.

RCW 19.28.440 Examination for telecommunications administrators' certificates.

It is the purpose and function of the board to establish and administer written examinations for telecommunications administrators' certificates. Examinations shall be designed to reasonably ensure that telecommunications administrators' certificate holders are competent to engage in and supervise the work regulated under this subchapter and their respective licenses. The examinations shall include questions to assure proper safety and protection for the general public. The department, with the consent of the board, is permitted to enter into a contract with a professional testing agency to develop, administer, and score these examinations. The fee for the examination may be set by the department in its contract with the professional testing agency. The department may direct that the applicant pay the fee to the professional testing agency. The fee shall cover but not exceed the costs of preparing and administering the examination.

RCW 19.28.450 Local enforcement of subchapter—Enforcement of chapter.

- (1) The director and the officials of all incorporated cities and towns where electrical inspections are required by local ordinances, allowed by RCW 19.28.141, may require by local ordinance the enforcement of this subchapter in their respective jurisdictions. If an incorporated city or town elects to enforce this subchapter, the city or town has the power and shall enforce the provisions of this subchapter.
- (2) The director, through the chief electrical inspector and other inspectors appointed under RCW 19.28.321, shall enforce this chapter. Compliance enforcement may be performed by contractor compliance inspectors appointed under chapter 18.27 RCW. The expenses of the director and the salaries and expenses of state inspectors incurred in carrying out the provisions of this chapter shall be paid entirely out of the electrical license fund, on vouchers approved by the director.

RCW 19.28.460 Disputes regarding local regulations—Arbitration—Panel.

Disputes arising under this chapter regarding whether any city or town's telecommunications rules, regulations, or ordinances are equal to the rules adopted by the department shall be resolved by arbitration. The department shall appoint two members of the board to serve on the arbitration panel, and the city or town shall appoint two persons to serve on the arbitration panel. These four persons shall choose a fifth person to serve. If the four persons cannot agree on a fifth person, the presiding judge of the superior court of the county in which the city or town is located shall choose a fifth person. A decision of the arbitration panel may be appealed to the superior court of the county in which the city or town is located within thirty days after the date the panel issues its final decision.

RCW 19.28.470 Inspections—Report—Required repairs/changes—Accessibility of telecommunications systems.

- (1) The director shall require permits and require an inspector to inspect all installations of telecommunications systems on the customer side of the network demarcation point for projects greater than ten outlets. However:
 - (a) All projects penetrating fire barriers, passing through hazardous locations and all backbone installations regardless of size shall be inspected;
 - (b) All installations in single-family residences, duplex residences, and horizontal cabling systems within apartment residential units, including cooperatives and condominiums, do not require permits or inspections;
 - (c) No permits or inspections may be required for installation or replacement of cord and plug connected telecommunications equipment or for patch cord and jumper cross-

connected equipment;

- (d) The chief electrical inspector may allow a building owner or licensed electrical/telecommunications contractor to apply for annual permitting and regularly scheduled inspection of telecommunications installations made by licensed electrical/telecommunications contractors or the building owner for large commercial and industrial installations where:
 - (i) The building owner or licensed electrical/telecommunications contractor has a full-time telecommunications maintenance staff or a yearly maintenance contract with a licensed electrical/telecommunications contractor;
 - (ii) The permit is purchased before beginning any telecommunications work; and
 - (iii) The building owner or licensed electrical/telecommunications contractor assumes responsibility for correcting all installation deficiencies.
- (2) Upon request, the department shall make the required inspection within forty-eight hours. The forty-eight hour period excludes holidays, Saturdays, and Sundays.
- (3) A written report of the inspection, which plainly and clearly states any corrections or changes required, shall be made by the inspector. A copy of the report shall be furnished to the person or entity doing the installation work, and a copy shall be filed by the department.
- (4) Whenever the installation of any telecommunications cabling and associated hardware is not in accordance with this chapter, or is in such a condition as to be dangerous to life or property, the person, firm, partnership, corporation, or other entity owning, using, or operating it shall be notified by the department and shall within fifteen working days, or such further reasonable time as may upon request be granted, make such repairs and changes as are required to remove the danger to life or property and to make it conform to this chapter. The director, through the inspector, is empowered to disconnect or order the discontinuance of the telecommunications cabling or electrical service to conductors or equipment that are found to be in a dangerous or unsafe condition and not in accordance with this chapter. Upon making a disconnection, the inspector shall attach a notice stating that the conductors have been found dangerous to life or property and are not in accordance with this chapter. It is unlawful for any person to reconnect such defective conductors or equipment without the approval of the department, and until the conductors and equipment have been placed in a safe and secure condition that complies with this chapter.
- (5) The director, through the electrical inspector, has the right during reasonable hours to enter into and upon any building or premises in the discharge of his or her official duties related to permitting activities for the purpose of making any inspection or test of the installation of new or altered telecommunications systems contained in or on the buildings or premises. No telecommunications cabling subject to this chapter may be concealed until it has been approved by the inspector making the inspection. At the time of the inspection, wiring or equipment subject to this chapter must be sufficiently accessible to permit the inspector to verify installation conformance with the adopted codes and any other requirements of this chapter.

RCW 19.28.480 Unlawful acts—Interpretation of chapter.

- (1) It is unlawful for any person, firm, partnership, corporation, or other entity to install or maintain any telecommunications cabling and associated hardware in violation of this chapter. When the interpretation and application of the installation or maintenance standards provided for in this chapter are in dispute or in doubt, the board shall, upon application of any interested person, firm, partnership, corporation, or other entity, determine the methods of installation or maintenance of the cabling materials and hardware to be used in the case submitted for its decision.
- (2) Any person, firm, partnership, corporation, or other entity desiring a decision of the board

under this section shall, in writing, notify the director of such desire and shall accompany the notice with a certified check payable to the department in the sum of two hundred dollars. The notice shall specify the ruling or interpretation desired and the contention of the person, firm, partnership, corporation, or other entity as to the proper interpretation or application on the question on which a decision is desired. If the board determines that the contention of the applicant for a decision was proper, the two hundred dollars shall be returned to the applicant; otherwise it shall be used in paying the expenses and per diem of the members of the board in connection with the matter. Any portion of the two hundred dollars not used in paying the per diem and expenses of the board in the case shall be paid into the electrical license fund.

RCW 19.28.490 Violation of chapter—Penalty—Appeal.

Any person, firm, partnership, corporation, or other entity violating any of the provisions of this chapter may be assessed a penalty of not less than one hundred dollars or more than ten thousand dollars per violation. The department, after consulting with the board and receiving the board's recommendations, shall set by rule a schedule of penalties for violating this chapter. The department shall notify the person, firm, partnership, corporation, or other entity violating any of these provisions of the amount of the penalty and of the specific violation. The notice shall be sent by certified mail, return receipt requested, to the last known address of the assessed party. Penalties are subject to review by an appeal to the board. The filing of an appeal stays the effect of the penalty until the board makes its decision. The appeal shall be filed within twenty days after notice of the penalty is given to the assessed party, and shall be made by filing a written notice of appeal with the department. The notice shall be accompanied by a certified check for two hundred dollars, that shall be returned to the assessed party if the decision of the department is not sustained by the board. If the board sustains the decision of the department, the two hundred dollars shall be applied by the department to the payment of the per diem and expenses of the members of the board incurred in the matter, and any balance remaining after payment of per diem and expenses shall be paid into the electrical license fund. The hearing and review procedures shall be conducted in accordance with chapter 34.05 RCW. The board shall assign its hearings to an administrative law judge to conduct the hearing and issue a proposed decision and order. The board shall be allowed a minimum of twenty days to review a proposed decision and shall issue its decision no later than the next regularly scheduled board meeting.

RCW 19.28.501 Insurance/financial responsibility.

- (1) At the time of licensing and subsequent relicensing, the applicant shall furnish insurance or financial responsibility in the form of an assigned account in the amount of twenty thousand dollars for injury or damages to property, fifty thousand dollars for injury or damage including death to any one person, and one hundred thousand dollars for injury or damage including death to more than one person, or financial responsibility to satisfy these amounts.
- (2) Failure to maintain insurance or financial responsibility relative to the contractor's activities is cause to suspend or deny the contractor's license.
- (3)
 - (a) Proof of financial responsibility authorized in this section may be given by providing, in the amount required by subsection (1) of this section, an assigned account acceptable to the department. The assigned account shall be held by the department to satisfy any execution on a judgment issued against the contractor for damage to property or injury or death to any person occurring in the contractor's contracting operation, according to the provisions of the assigned account agreement. The department shall have no liability for payment in excess of the amount of the assigned account.
 - (b) The assigned account filed with the director as proof of financial responsibility shall be canceled three years after:
 - (i) The contractor's license has expired or been revoked;

- (ii) The contractor has furnished proof of insurance as required by subsection (1) of this section; or
 - (iii) No legal action has been instituted against the contractor or on the account at the end of the three-year period.
- (c) If a contractor chooses to file an assigned account as authorized in this section, the contractor shall, on a contracting project, notify each person with whom the contractor enters into a contract or to whom the contractor submits a bid, that the contractor has filed an assigned account in lieu of insurance and that recovery from the account for any claim against the contractor for property damage or personal injury or death occurring on the project requires the claimant to obtain a court judgment.

RCW 19.28.511 Individual certification not required.

Individual worker certification is not required for work under this subchapter. This subchapter does not preclude any person performing telecommunications work from obtaining a limited energy credit towards an electrical certificate of competency if they otherwise meet the certification requirements under this chapter that are applicable to electrical installations.

RCW 19.28.521 Limitation of action—Proof of valid license required.

No person, firm, or corporation engaging in or conducting or carrying on the business of telecommunications installation shall be entitled to commence or maintain any suit or action in any court of this state pertaining to any such work or business, without alleging and proving that such person, firm or corporation held, at the time of commencing and performing such work, an unexpired, unrevoked, and unsuspended license issued under this subchapter; and no city or town requiring by ordinance or regulation a permit for inspection or installation of such telecommunications installation work, shall issue such permit to any person, firm or corporation not holding such license.

RCW 19.28.531 Unlawful installation/maintenance—Disputed interpretation—Board to determine methods.

It is unlawful for any person, firm, partnership, corporation, or other entity to install or maintain telecommunications equipment not in accordance with this subchapter. In cases where the interpretation and application of the installation or maintenance standards under this subchapter are in dispute or in doubt, the board shall, upon application of any interested person, firm, partnership, corporation, or other entity, determine the methods of installation or maintenance or the materials, devices, appliances, or equipment to be used in the particular case submitted for its decision.

RCW 19.28.541 Entity desiring board decision—Process.

Any person, firm, partnership, corporation, or other entity desiring a decision of the board pursuant to RCW 19.28.531 shall, in writing, notify the director of such desire and shall accompany the notice with a certified check payable to the department in the sum of two hundred dollars. The notice shall specify the ruling or interpretation desired and the contention of the person, firm, partnership, corporation, or other entity as to the proper interpretation or application on the question on which a decision is desired. If the board determines that the contention of the applicant for a decision was proper, the two hundred dollars shall be returned to the applicant; otherwise it shall be used in paying the expenses and per diem of the members of the board in connection with the matter. Any portion of the two hundred dollars not used in paying the per diem and expenses of the board in the case shall be paid into the electrical license fund.

RCW 19.28.551 Director's authority—Adoption of rules.

- (1) The director may adopt rules, make specific decisions, orders, and rulings, including demands and findings, and take other necessary action for the implementation and enforcement of this subchapter after consultation with the board and receiving the board's recommendations. In the administration of this subchapter the department shall not enter any controversy arising over work assignments with respect to the trades involved in the construction industry.
- (2) Compliance with the rules adopted under subsection (1) of this section is prima facie evidence of compliance with the subchapter. Copies of all rules shall be maintained by the department and made available upon request.

RCW 19.28.900 Severability—1935 c 169.

If any section or part of this chapter shall be held and adjudged to be void or unconstitutional such adjudication shall not affect any other section or part of this chapter not adjudged to be void or unconstitutional.

RCW 19.28.910 Effective date—1963 c 207.

This act shall take effect on July 1, 1963.

RCW 19.28.911 Severability—1983 c 206.

If any provision of this act or its application to any person or circumstance is held invalid, the remainder of the act or the application of the provision to other persons or circumstances is not affected.

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Chapter 296-46A WAC

SAFETY STANDARDS—INSTALLING ELECTRIC WIRES AND EQUIPMENT—ADMINISTRATIVE RULES

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WAC 296-46A-090 Foreword.

- (1) The 1999 edition of the National Electrical Code (NFPA 70 - 1999) including Appendixes A, B, and C, the 1996 edition of Centrifugal Fire Pumps (NFPA 20 - 1996), the 1996 edition of Emergency and Standby Power Systems (NFPA 110 - 1996), Commercial Building Telecommunications Cabling Standard (ANSI/TIA/EIA 568-A-1995 including amendments 1 through 5), Commercial Building Standard for Telecommunications Pathway and Spaces (ANSI/TIA/EIA 569-A-1998 including amendments 1 through 4), Commercial Building Grounding and Bonding Requirements for Telecommunications (ANSI/TIA/EIA 607-1994), Residential Telecommunications Cable Standard (ANSI/TIA/EIA 570-A-1999), and the National Electrical Safety Code (NESC C2-1997 excluding Appendixes A and B) are hereby adopted by reference as part of this chapter. Other codes, manuals, and reference works referred to in this chapter are available for inspection and review in the Olympia office of the electrical section of the department during business hours. The requirements of this chapter will be observed where there is any conflict between this chapter and the National Electrical Code (NFPA 70), Centrifugal Fire Pumps (NFPA 20), the Emergency and Standby Power Systems (NFPA 110), ANSI/TIA/EIA 568-A, ANSI/TIA/EIA 569-A, ANSI/TIA/EIA 607, ANSI/TIA/EIA 570, or the National Electrical Safety Code. The National Electrical Code will be followed where there is any conflict between Centrifugal Fire Pumps (NFPA 20), Emergency and Standby Power Systems (NFPA 110), ANSI/TIA/EIA 568-A, ANSI/TIA/EIA 569-A, ANSI/TIA/EIA 607, ANSI/TIA/EIA 570, or the National Electrical Safety Code and the National Electrical Code (NFPA 70).
- (2) Electrical inspectors will give information as to the meaning or application of the standards in subsection (1) of this section and this chapter, but will not lay out work or act as consultants for contractors, owners, or users.
- (3) The department may enforce city electrical ordinances where those governmental agencies do not make electrical inspections under an established program.

WAC 296-46A-092 General definitions.

- (1) All definitions listed in the National Electrical Code and chapter 19.28 RCW are recognized in this chapter unless specific definitions are given in this chapter.
- (2) **"Electrical equipment"** includes electrical conductors, conduit, raceway, apparatus, materials, components, and other electrical equipment.
- (3) **"Fished Wiring"** is when cable or conduit is installed within the finished surfaces of an existing building or building structure (e.g., wall, floor or ceiling cavity).
- (4) **HVAC/refrigeration specific definitions:**
 - (a) **"HVAC/refrigeration"** means heating, ventilation, air conditioning, and refrigeration.
 - (b) **"HVAC/refrigeration component"** means electrical power and limited energy components within the "HVAC/refrigeration system," including, but not limited to: Pumps, compressors, motors, heating coils, controls, switches, thermostats, humidistats, low voltage damper controls, outdoor sensing controls, outside air dampers, stand-alone duct smoke detectors, air monitoring devices, zone control valves and equipment for monitoring of HVAC/refrigeration control panels and low voltage connections. This definition excludes equipment and components of "non-HVAC/refrigeration control systems."
 - (c) **"HVAC/refrigeration control panel"** means an enclosed, manufactured assembly of electrical components designed specifically for the control of a HVAC/refrigeration system. Line voltage equipment that has low voltage, NEC class 2 control or monitoring components incidental to the designed purpose of the equipment is not an HVAC/refrigeration control panel (e.g., combination starters).
 - (d) **"HVAC/refrigeration control system"** means a network system regulating and/or monitoring a HVAC/refrigeration system. Equipment of a HVAC/refrigeration control

system includes, but is not limited to: Control panels, data centers, relays, contactors, sensors, and cables related to the monitoring and control of a HVAC/refrigeration system(s).

- (e) **"HVAC/refrigeration equipment"** means the central unit primary to the function of the "HVAC/refrigeration system." HVAC/refrigeration includes, but is not limited to: Heat pumps, swamp coolers, furnaces, compressor packages, and boilers.
- (f) **"HVAC/refrigeration system"** means a system of HVAC/refrigeration equipment and HVAC/refrigeration components integrated to generate, deliver, or control heated, cooled, filtered, refrigerated, or conditioned air. This definition excludes equipment and components integral with non-HVAC/refrigeration control systems and line voltage branch circuits, feeders, services, panelboards, and disconnect switches supplying the HVAC/refrigeration system.
- (5) **"Field evaluated"** means equipment has been evaluated and identified by a laboratory approved by the state of Washington for the appropriate equipment standard per chapter 296-402A WAC.
- (6) **"Final judgment"** means any money that is owed to the department under this chapter or any money that is owed the department as a result of an individual's or contractor's unsuccessful appeal of an infraction. Final judgment also includes any penalties owed the department as a result of an infraction not appealed or any outstanding fees due under this chapter.
- (7) An **"installation"** includes the act of installing, connecting, repairing, modifying, or otherwise performing work on an electrical system, component, equipment, or wire except as allowed by WAC 296-46A-940.
- (8) An **"identification plate"** is a phenolic or metallic plate or other similar material engraved in block letters at least 1/4" (6mm) high unless specifically required to be larger by this chapter, suitable for the environment and application. The letters and the background must be in contrasting colors. Screws, rivets, or methods specifically described in chapter 296-46A WAC must be used to affix an identification plate to the equipment or enclosure.
- (9) **"License"** means a license required under chapter 19.28 RCW.
- (10) **"Like-in-kind"** means having similar characteristics such as voltage requirement, current draw, and function within the system.
- (11) **"Listed"** means equipment has been listed and identified by a laboratory approved by the state of Washington for the appropriate equipment standard per chapter 296-402A WAC.
- (12) **"Low voltage"** means:
 - (a) NEC, Class 1 power limited circuits at 30 volts maximum.
 - (b) NEC, Class 2 circuits powered by a Class 2 power supply as defined in Article 725-41(a) NEC.
 - (c) NEC, Class 3 circuits powered by a Class 3 power supply as defined in Article 725-41(a) NEC.
 - (d) Telecommunications circuits as defined in chapter 19.28 RCW.
- (13) **"NEC"** means National Electrical Code.
- (14) **"Point of contact,"** for utility work, means the point at which a customer's electrical system connects to the serving utility system.
- (15) A **"stand-alone amplified sound or public address system"** is a system that has distinct wiring and equipment for audio signal generation, recording, processing, amplification, and reproduction. This definition does not apply to telecommunications installations.
- (16) **"Under the control of a utility"** for the purposes of RCW 19.28.091 is when electrical equipment is owned by the utility or when electrical equipment is not owned by a utility and:
 - (a) Is located in a vault, room, closet, or similar enclosure that is secured by a lock or seal so that access is restricted to the utility's personnel; or

- (b) The utility is obligated by contract to maintain the equipment and the contract provides that access to the equipment is restricted to the utility's personnel or other qualified personnel.
- (17) **"Utility"** means an electrical utility.
- (18) **"Utility system"** means electrical equipment owned by or under the control of a serving utility that is used for the transmission or distribution of electricity from the source of supply to the point of contact.
- (19) **"Utilization voltage"** means the voltage level employed by the utility's customer for connection to lighting fixtures, motors, heaters, or other electrically operated equipment other than power transformers.

WAC 296-46A-095 Inspection.

- (1) Electrical wiring or equipment subject to this chapter must be sufficiently accessible, at the time of inspection, to permit the inspector to visually inspect the installation to verify conformance with the NEC and any other electrical requirements of chapter 296-46A WAC.
- (2) Cables or raceways fished according to the NEC do not require visual inspection.
- (3) Wires pulled into conduit systems are not considered concealed; except, all required equipment grounding conductors installed in concealed raceway, cable, or flexible conduit systems must be completely installed and made up at the time of the rough-in cover inspection.

WAC 296-46A-100 Approval for conductors and equipment.

- (1) In order to meet the minimum electrical safety standards for installations, all materials, devices, appliances, and equipment, not exempted in chapter 19.28 RCW, must conform to applicable standards recognized by the department, be listed, or field evaluated.
- (2) Department electrical inspectors may inspect and approve industrial control panels and utilization equipment for compliance with codes, rules, and standards recognized by the department, on a case-by-case basis consistent with chapter 296-46A WAC.
- (3) The department will recognize the state department of transportation as the inspection authority for telecommunication systems installation within the rights of way of state highways provided the department of transportation maintains and enforces an equal, higher or better standard of construction and of materials, devices, appliances and equipment than is required for telecommunications systems installations by chapter 19.28 RCW and these rules.

WAC 296-46A-102 Industrial control panel inspection.

- (1) Specific definitions:
 - (a) **"Food processing plants"** do not include:
 - (i) Restaurants.
 - (ii) Farming, ranching, or dairy farming operations.
 - (b) In chapter 19.28 RCW **"industrial control panel"** means a factory or user wired assembly of industrial control equipment such as motor controllers, switches, relays, power supplies, computers, cathode ray tubes, transducers, and auxiliary devices. The panel may include disconnect means and motor branch circuit protective devices. Industrial control panels include only those used in food processing, industrial, and manufacturing plants.
 - (c) **"Industrial plants"** do not include:
 - (i) Municipal or other government facilities.

- (ii) Educational facilities or portions thereof.
 - (iii) Institutional facilities or portions thereof.
 - (iv) Other installations not used for direct production purposes.
 - (d) **"Manufacturing plants"** do not include:
 - (i) Municipal or other government facilities.
 - (ii) Educational facilities or portions thereof.
 - (iii) Institutional facilities or portions thereof.
 - (iv) Other installations not used for direct production purposes.
 - (v) Home workshops.
 - (e) **"Normal department inspection"** is a part of the department electrical inspection process included with the general wiring inspection of a building, structure, or other electrical installation.
 - (f) **"Special department inspection"** is an electrical inspection, made by the department, when an industrial control or utilization equipment is not constructed entirely of listed components.
 - (g) **"Utilization equipment"** is the machine(s) and its integral components controlled by the "industrial control panel(s)" defined in this section.
- (2) Industrial control panels will be determined to meet the minimum electrical safety standards for installations by:
- (a) Listing, or field evaluation;
 - (b) Normal department inspection for compliance with codes and rules adopted under this chapter;
 - (c) Special department inspection requested by the industrial/control panel owner or agent.
- (3) Utilization equipment will be determined to meet the minimum electrical safety standards for equipment by:
- (a) Listing, or field evaluation;
 - (b) Normal department inspection by department electrical inspectors for compliance with codes and rules adopted under this chapter.
- (4) Fees for special department inspections required under this chapter; including: Portal to portal inspection time, the time to prepare reports, and state rate per diem travel costs (if applicable); will be calculated under WAC 296-46A-910.
- (5) Fees for the normal department inspections required under this chapter are included in the electrical work permit fee calculated for the installation and are not a separate inspection fee.
- (6) Requests for special department inspections under this chapter must be on department furnished forms identifying the request as an "industrial control panel" inspection.
- (7) Requirements and procedures for a special department inspection:
- (a) The department may require that electrical power to the industrial control panel be deenergized and locked out or disconnected while performing the inspection.
 - (b) The department may authorize use of the industrial control panel before its inspection.
 - (c) All components of the industrial control panel must be marked in compliance with Article 110-21 NEC. The special inspection requestor must supply a statement from the manufacturer stating the industrial control panel and its components are safe for the intended use and conform to the requirements of the NEC, chapter 296-46A WAC, and other standards currently adopted by the department. This statement must be furnished to the department before a special inspection is performed and will become

a part of the permanent special inspection file kept by the department. The department will not approve any component that is not listed, recognized, field evaluated, or manufactured to nationally recognized testing laboratory standards unless the component is protected in a manner approved by the department.

(d) Deficiencies:

- (i) Will be referenced by the department citing the appropriate code or rule by publication and section.
- (ii) Will be required to be corrected prior to approval by the department.
- (iii) Will be required to be corrected and the department notified of such corrections, within fifteen days of the date the deficiency was formally identified by the department.
- (iv) A longer time to correct a deficiency(ies) may be requested. The department will determine an appropriate time frame consistent with the reason for the request.
- (v) The department may authorize the industrial control panel to be or remain energized and in service while the deficiencies are being corrected.
- (vi) A copy of all deficiencies will be given to the requestor when identified by the department.

(e) A copy of the special department inspection report and approval will be given to the owner or operator of the facility and to the special inspection requestor upon final approval and will include:

- (i) Pertinent test evaluation data and identification of tests or inspections including anomalies.
- (ii) Name of inspection requestor.
- (iii) Designation of standards used to certify or test the product including edition and latest revision (e.g., UL 508, 16th Edition, Feb. 1993, Revision Oct. 9, 1997).
- (iv) Description and identification of the nonlisted component(s) requiring evaluation or replacement.
- (v) Description of the overall product evaluated to include full nameplate data and equipment type.
- (vi) Signature of person(s) having responsibility for the report.
- (vii) Any condition of acceptability or restrictions on use/relocation.
- (viii) Serial number(s) of the special department inspection label(s) applied will be included with the equipment identification.
- (ix) The department file identification number.

WAC 296-46A-104 Traffic management systems.

(1) A traffic management system includes:

- (a) Traffic illumination systems.
- (b) Traffic signal systems.
- (c) Traffic monitoring systems.
- (d) The electrical service cabinet and all related components and equipment installed on the load side of the service cabinet supplying electrical power to the traffic management system.

The department will perform the electrical inspection and acceptance of traffic

management systems within its jurisdiction.

- (2) The department recognizes that traffic signal conductors, pole and bracket cables, signal displays, and traffic signal controllers/cabinets and associated components used in traffic management systems are acceptable for the purpose of meeting the requirements of chapter 19.28 RCW provided they conform with the following applicable standards or are listed on the Washington state department of transportation (WSDOT) qualified products list.
 - (a) WSDOT/APWA Standard Specifications and Plans.
 - (b) WSDOT Design Manual.
 - (c) International Municipal Signal Association (IMSA).
 - (d) National Electrical Manufacturers Association (NEMA).
 - (e) Federal Standards 170/Controller Cabinets.
 - (f) Manual for Uniform Road, Bridge, and Municipal Construction.
 - (g) Institute of Transportation Engineers (ITE).
 - (h) Manual of Uniform Traffic Control Devices (MUTCD).
- (3) Associated induction detection loop or similar circuits will be accepted by the department without inspection.
- (4) For the licensing requirements of chapter 19.28 RCW, jurisdictions will be considered owners of traffic management systems when doing electrical work for other jurisdiction(s) under a valid interlocal agreement, as permitted by chapter 39.34 RCW. Interlocal agreements for traffic management systems must be filed with the department prior to work being performed for this provision to apply.
- (5) Jurisdictions, with an established electrical inspection authority, and WSDOT may perform electrical inspection on their rights-of-way for each other by interlocal agreement. They may not perform electrical inspection on other rights-of-way except as allowed in chapter 19.28 or 39.34 RCW.
- (6) Underground installations.
 - (a) In other than open trenching, raceways will be considered "fished" according to the NEC and do not require visual inspection.
 - (b) Inspections in open trenching will be conducted by the department within its jurisdiction. The electrical work permit purchaser must coordinate the electrical inspection. A written request (e.g., letter, e-mail, fax, etc.) for inspection, made to the department office having the responsibility to perform the inspection, must be made a minimum of two working days prior to the inspection need (e.g., two working days—10:00 a.m. Tuesday request for a 10:00 a.m. Thursday inspection, excluding holidays and weekends).

If, after proper written request, the department fails to make an electrical inspection at the time requested, underground conduit may be covered after inspection by the local government jurisdiction's project inspector/designee. Written documentation of a local government jurisdiction inspection must be provided to the department when requested. Written documentation will include:

 - (i) Date of inspection.
 - (ii) Location.
 - (iii) Installing firm.
 - (iv) Owner.
 - (v) Type of conduit.
 - (vi) Size of conduit.
 - (vii) Depth of conduit.

(viii) Project inspector/designee name.

- (7) Identification of traffic management system components. Local government jurisdictions or WSDOT may act as the certifying authority for the safety evaluation of components.
- (a) An electrical service cabinet must contain only listed components. The electrical service cabinet enclosure is not required to be listed but will conform to subsection (2) of this section.
 - (b) The local government jurisdiction must identify, as acceptable, the controller cabinet with an identification plate. The identification plate must be located inside the cabinet and may be attached with adhesive.
- (8) Conductors of different circuits in same cable, enclosure, or raceway. All traffic management system circuits will be permitted to occupy the same cable, enclosure, or raceway without regard to voltage characteristics, provided all conductors are insulated for the maximum voltage of any conductor in the cable, enclosure, or raceway.

WAC 296-46A-110 Identification methods.

- (1) Each cable operating at over 600v and installed on customer owned systems must be legibly marked in a permanent manner at each termination point and at each point the cable is accessible. The required marking must use phase designation, operating voltage, and circuit number if applicable.
- (2) Where electrical equipment is installed to obtain a series combination rating, the identification as required by Article 110-22 NEC, must be in the form of an identification plate that is substantially yellow in color. The words "**CAUTION - SERIES RATED SYSTEM**" must be on the label in letters at least 1/2" (13mm) high.

WAC 296-46A-130 Classification or definition of occupancies.

Occupancies are classified and defined by the agency that registers or licenses or defines their operation or occupancy, as follows:

- (1) Educational facility refers to a building or portion of a building used primarily for educational purposes by six or more persons at one time for twelve hours per week or four hours in any one day. Educational occupancy includes: Schools (preschool through grade 12), colleges, academies, universities, and trade schools.
- (2) Institutional facility refers to a building or portion of a building used primarily for detention and correctional occupancies where some degree of restraint or security is required. Such occupancies include, but are not restricted to: Penal institutions, reformatories, jails, detention centers, correctional centers, and residential-restrained care.
- (3) Health or personal care facility. Health or personal care facility refers to buildings or parts of buildings that contain, but are not limited to, facilities that are required to be licensed by the department of social and health services (e.g., hospitals, nursing homes, private alcoholism hospitals, private psychiatric hospitals, boarding homes, alcoholism treatment facilities, maternity homes, birth centers or childbirth centers, residential treatment facilities for psychiatrically impaired children and youths, and renal hemodialysis clinics) and medical, dental or chiropractic offices or clinics, outpatient or ambulatory surgical clinics, and such other health care occupancies where patients who may be unable to provide for their own needs and safety without the assistance of another person are treated.
 - (a) "Hospital" means any institution, place, building, or agency providing accommodations, facilities and services over a continuous period of twenty-four hours or more, for observation, diagnosis, or care of two or more individuals not related to the operator who are suffering from illness, injury, deformity, or abnormality, or from any other condition for which obstetrical, medical, or surgical services would be appropriate for care or diagnosis.

- (b) "Nursing home unit" or "long-term care unit" means a group of beds for the accommodation of patients who, because of chronic illness or physical infirmities require skilled nursing care and related medical services but are not acutely ill and not in need of the highly technical or specialized services ordinarily a part of hospital care.
- (c) "Boarding home" means any home or other institution, however named, which is advertised, announced, or maintained for the express or implied purpose of providing board and domiciliary care to three or more aged persons not related by blood or marriage to the operator. It must not include any home, institution, or section thereof which is otherwise licensed and regulated under the provisions of state law providing specifically for the licensing and regulation of such home, institution, or section thereof.
- (d) "Private alcoholism hospital" means an institution, facility, building, or equivalent designed, organized, maintained, and operated to provide diagnosis, treatment, and care of individuals demonstrating signs or symptoms of alcoholism, including the complications of associated substance use and other medical diseases that can be appropriately treated and cared for in the facility and providing accommodations, medical services, and other necessary services over a continuous period of twenty-four hours or more for two or more individuals unrelated to the operator, provided that this chapter will not apply to any facility, agency, or other entity which is owned and operated by a public or governmental body.
- (e) "Alcoholism treatment facility" means a private place or establishment, other than a licensed hospital, operated primarily for the treatment of alcoholism.
- (f) "Private psychiatric hospital" means a privately owned and operated establishment or institution which: Provides accommodations and services over a continuous period of twenty-four hours or more: And is expressly and exclusively for observing, diagnosing, or caring for two or more individuals with signs or symptoms of mental illness, who are not related to the licensee.
- (g) "Maternity home" means any home, place, hospital, or institution in which facilities are maintained for the care of four or more women, not related by blood or marriage to the operator, during pregnancy or during or within ten days after delivery: Provided, however, That this definition will not apply to any hospital approved by the American College of Surgeons, American Osteopathic Association or its successor.
- (h) "Birth center" or "childbirth center" means a type of maternity home which is a house, building, or equivalent organized to provide facilities and staff to support a birth service, provided that the birth service is limited to low-risk maternal clients during the intrapartum period.
- (i) "Ambulatory surgical facility" means a facility, not a part of a hospital, providing surgical treatment to patients not requiring inpatient care in a hospital. This term does not include a facility in the offices of private physicians or dentists, whether for individual or group practice, if the privilege of using such facility is not extended to physicians or dentists outside the individual or group practice. (NEC; Ambulatory Health Care Center.)
- (j) "Hospice care center" means any building, facility, place, or equivalent, organized, maintained, and operated specifically to provide beds, accommodations, facilities, and services over a continuous period of twenty-four hours or more for palliative care of two or more individuals, not related to the operator, who are diagnosed as being in the latter stages of an advanced disease which is expected to lead to death.
- (k) "Renal hemodialysis clinic" is a facility in a building or part of a building which is approved to furnish the full spectrum of diagnostic, therapeutic, and rehabilitative services required for the care of renal dialysis patients (including inpatient dialysis furnished directly or under arrangement). (NEC; Ambulatory Health Care Center.)
- (l) "Medical, dental, and chiropractic clinic" means any clinic or physicians' office where patients are not regularly kept as bed patients for twenty-four hours or more. Electrical plan review not required.

- (m) "Residential treatment facility for psychiatrically impaired children and youth" means a residence, place, or facility designed and organized to provide twenty-four hour residential care and long-term individualized, active treatment for clients who have been diagnosed or evaluated as psychiatrically impaired.
 - (n) "Adult residential rehabilitation center" means a residence, place, or facility designed and organized primarily to provide twenty-four hour residential care, crisis and short-term care and/or long-term individualized active treatment and rehabilitation for clients diagnosed or evaluated as psychiatrically impaired or chronically mentally ill as defined herein or in chapter 71.24 RCW.
 - (o) "Group care facility" means a facility other than a foster-family home maintained and operated for the care of a group of children on a twenty-four-hour basis.
- (4) Licensed day care centers.
- (a) "Child day care center" means a facility providing regularly scheduled care for a group of children one month of age through twelve years of age for periods less than twenty-four hours; except, a program meeting the definition of a family child care home will not be licensed as a day care center without meeting the requirements of WAC 388-150-020 (5)(2).
 - (b) "School-age child care center" means a program operating in a facility other than a private residence accountable for school-age children when school is not in session. It must meet department licensing requirements, provide adult supervised care, and a variety of developmentally appropriate activities.
 - (c) "Family child day care home" means the same as "family child care home" and "a child day care facility" licensed by the state, located in the family abode of the person or persons under whose direct care and supervision the child is placed, for the care of twelve or fewer children, including children who reside at the home. Electrical plan review not required.

WAC 296-46A-140 Plan review for educational, institutional or health care facilities and other buildings.

- (1) Plan review is a part of the electrical inspection process; its primary purpose is to determine that loads are calculated per the proper NEC or WAC article or section and that conductors and equipment are adequately sized and rated to the calculated load.
- (2) All electrical plans for new or altered electrical installations in educational, institutional, and health or personal care occupancies classified or defined in this chapter must be reviewed and approved before the electrical installation or alteration is begun.
- (3) All electrical plans for educational, hospital and nursing home occupancies must be prepared by, or under the direction of, a consulting electrical engineer registered under chapter 18.43 RCW, and chapters 246A-320, 180-29, and 388-97 WAC and stamped with the engineer's mark and signature.
- (4) Plans for these electrical installations within cities that perform electrical inspections within their jurisdiction, and provide an electrical plan review program that equals or exceeds the department's program in plans examiner minimum qualifications per chapter 19.28 RCW, must be submitted to that city for review rather than to the department, unless the agency licensing or regulating the installation specifically requires review by the department.
- (5) Refer plans for department review to the Electrical Inspection Section, Department of Labor and Industries, P.O. Box 44460, Olympia, Washington 98504-4460.
- (6) Approved plans must be available on the job site for use during the electrical installation or alteration and for use by the electrical inspector.
- (7) Plans to be reviewed by the department must be legible, identify the name and classification of the facility, clearly indicate the scope and nature of the installation and the person or firm responsible for the electrical plans. The plans must clearly show the electrical installation or

alteration in floor plan view, include switchboard and/or panelboard schedules and when a service or feeder is to be installed or altered, must include a riser diagram, load calculation, fault current calculation and interrupting rating of equipment. Where existing electrical systems are to supply additional loads, the plans must include documentation that proves adequate capacity and ratings. The plans must be submitted with a plan review submittal form available from the department. All required fees will be paid after the review is completed. Approved plans will be returned when all fees are paid.

- (8) Plan review for new or altered electrical installations of other types of construction may be voluntarily requested by the owner or electrical contractor.
- (9) For existing structures where additions or alterations to feeders and services are proposed, Article 220-35(1) NEC may be used. If Article 220-35(1) NEC is used the following is required:
 - (a) The date of the measurements.
 - (b) A statement attesting to the validity of the demand data, signed by a professional electrical engineer or the electrical administrator of the electrical contractor performing the work.
 - (c) A diagram of the electrical system identifying the point(s) of measurement.
 - (d) Building demand measured continuously on the highest-loaded phase of the feeder or service over a thirty-day period, with demand peak clearly identified. (Demand peak is defined as the maximum average demand over a fifteen-minute interval.)
- (10) Due to their minimal load requirements, plan review of the following limited energy systems will not be required: Fire alarm, nurse call, intrusion or security alarm, intercom, public address, music, energy management, programmed clock, or telecommunications.
- (11) When the service or feeder load calculation is affected five percent or less by the addition or alteration of five or less branch circuits, plan review for the branch circuits may be requested from the department's local inspection office. Permission for such small project plan review may be granted at the discretion of the electrical inspection field supervisor, the plans examiner supervisor, or the chief electrical inspector.

WAC 296-46A-155 Wiring methods for designated building occupancies.

Wiring methods, equipment and devices for health or personal care, educational and institutional facilities as defined or classified in this chapter and for places of assembly for one hundred or more persons must comply with Tables 1 and 2 and the notes thereto. For determining the occupant load of places of assembly, the methods of the currently adopted edition of the Uniform Building Code must be used.

Table 1
Health or Personal Care Facilities
Electrical System - Wiring Methods

Health or Personal Care Facility Type	Power and Lighting	Emergency Power and Lighting	Limited Energy Systems	Patient Care Areas	Plan Review
Hospital	1	1	1	1	YES
Nursing home unit or long-term care unit	1	1	1	1	YES
Boarding home or assisted living facility	1	1	1		YES
Private alcoholism hospital	1	1	1	1	YES
Alcoholism treatment facility	1	1	1		YES
Private psychiatric hospital	1	1	1	1	YES
Maternity home	1	1	1	1	YES
Birth center or childbirth center	1	1	1	1	NO
Ambulatory surgery facility	1	1	1	1	YES
Hospice care center	1		1		NO
Renal hemodialysis clinic	1	1	1	1	YES
Medical, dental, and chiropractic clinic	1	1	1	1	NO
Residential treatment facility for psychiatrically impaired children and youth	1	1	1	1	YES
Adult residential rehabilitation center	1	1	1		YES
Group care facility	1	1	1		NO

Notes to Tables 1 and 2

1. Wiring methods in accordance with the NEC.
2. Metallic or nonmetallic raceways, MI, MC, or AC cable.

Table 2
Educational and Institutional Facilities, Places of Assembly or Other Facilities
Electrical System - Wiring Methods

Educational, Institutional or Other Facility Type	Power and Lighting	Emergency Power and Lighting	Limited Energy Systems	Plan Review Required
Educational	2	2	1	YES
Institutional	2	2	1	YES
Places of assembly for 100 or more persons	1	1	1	NO
Child day care center	1	1	1	NO
School-age child care center	1	1	1	NO
Family child day care home, family child care home, or child day care facility	1	1	1	NO

Notes to Tables 1 and 2

1. Wiring methods in accordance with the NEC.
2. Metallic or nonmetallic raceways, MI, MC, or AC cable.

WAC 296-46A-21052 Tamper resistant receptacles.

Listed tamper resistant receptacles or listed tamper resistant cover plates are required in licensed day care facilities, pediatric, or psychiatric patient care areas for 15 or 20 ampere, 125 volt receptacles.

WAC 296-46A-215 Feeders--Ground fault protection testing.

Equipment ground fault protection systems required by the NEC must be tested prior to being placed into service to verify proper installation and operation of the system as determined by the manufacturer's published instructions. This test or a subsequent test must include all system feeders. The test must be performed by a firm that has qualified personnel and proper equipment to perform the tests required. A copy of the manufacturer's performance testing instructions and a written performance acceptance test record signed by the person performing the test must be provided for the inspector's records at the time of inspection. The performance acceptance test record must include test details including, but not limited to: All trip settings and measurements taken during the test.

WAC 296-46A-220 Branch circuit and feeder calculations.

- (1) Circuits must be taken to all unfinished spaces adaptable to future dwelling unit living areas which are not readily accessible to the service or branch circuit panelboard. The circuits must terminate in a suitable box(es). The box must contain an identification of the intended purpose of the circuit(s). The branch circuit panelboard must have adequate space and capacity for the intended load(s).
- (2) Occupancy lighting loads. In determining feeder and service entrance conductor sizes and equipment ratings, the currently adopted Washington state energy code unit lighting power allowance table and footnotes may be used in lieu of 220-3 NEC.

WAC 296-46A-22530 More than one building or other structure.

The building disconnecting means required by Article 225-32 NEC (except for Exceptions 1, 2, 3, or 4),

must be provided to disconnect all ungrounded conductors that supply or pass through a building or structure per the requirements of NEC 225-32 (except for Exceptions 1, 2, 3, or 4) in accordance with subsection (1) or (2) of this section.

- (1) Outside feeder: Where the feeder disconnecting means is installed outside a building or structure it must be on the building or structure or within sight and within fifteen feet of the building or structure supplied. The building disconnecting means may supply only one building/structure unless the secondary building(s)/structure(s) has a separate building disconnecting means meeting the requirements of the NEC and this subsection. The disconnecting means must have an identification plate with 1/2" high letters identifying:

- (a) The building/structure served;
- (b) Its function as the building/structure main disconnect(s).

- (2) Inside: The feeder disconnecting means may be installed anywhere inside a building or structure when there is a feeder disconnecting means, located elsewhere on the premises, with overcurrent protection sized for the feeder conductors.

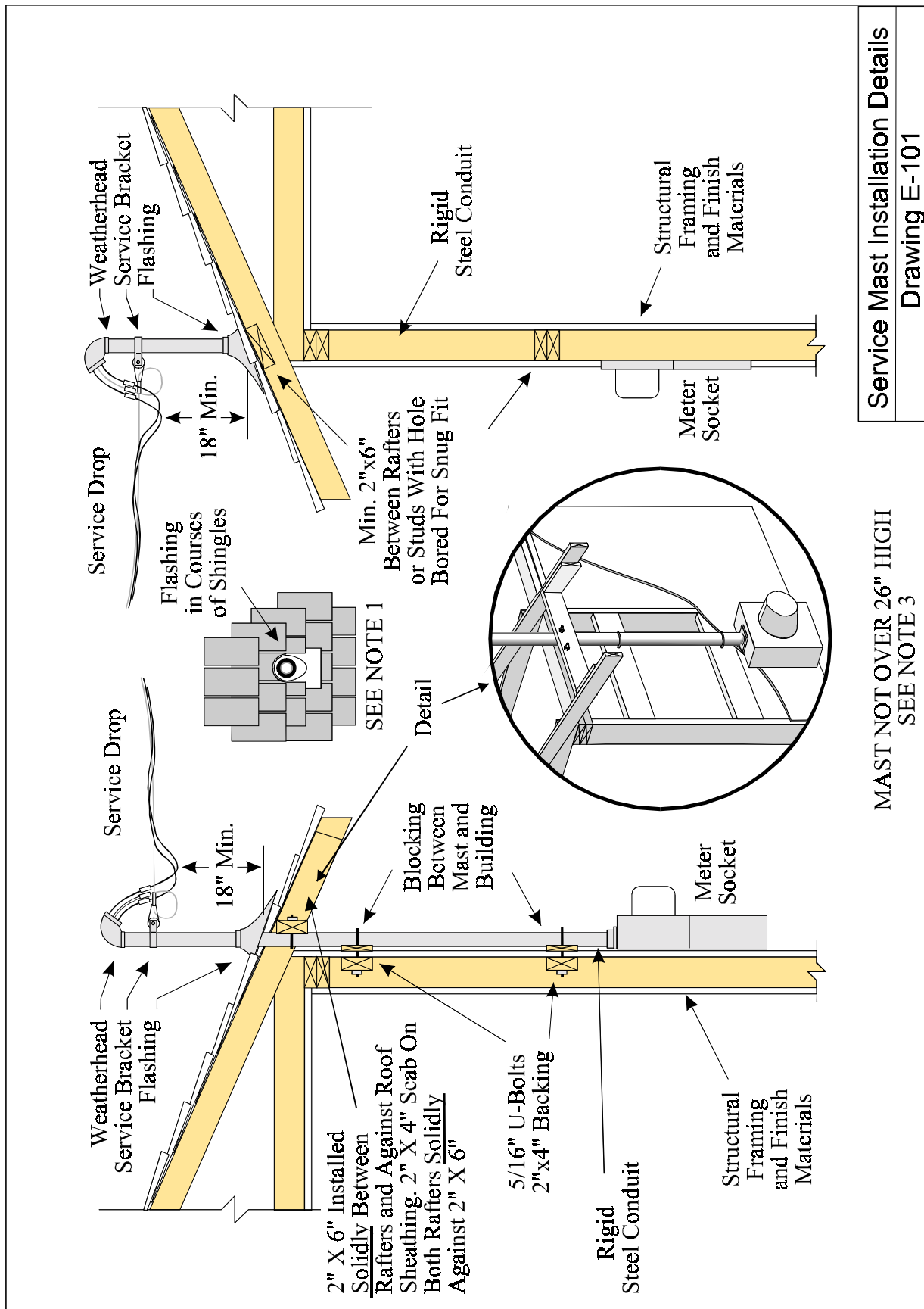
WAC 296-46A-23001 Service requirements.

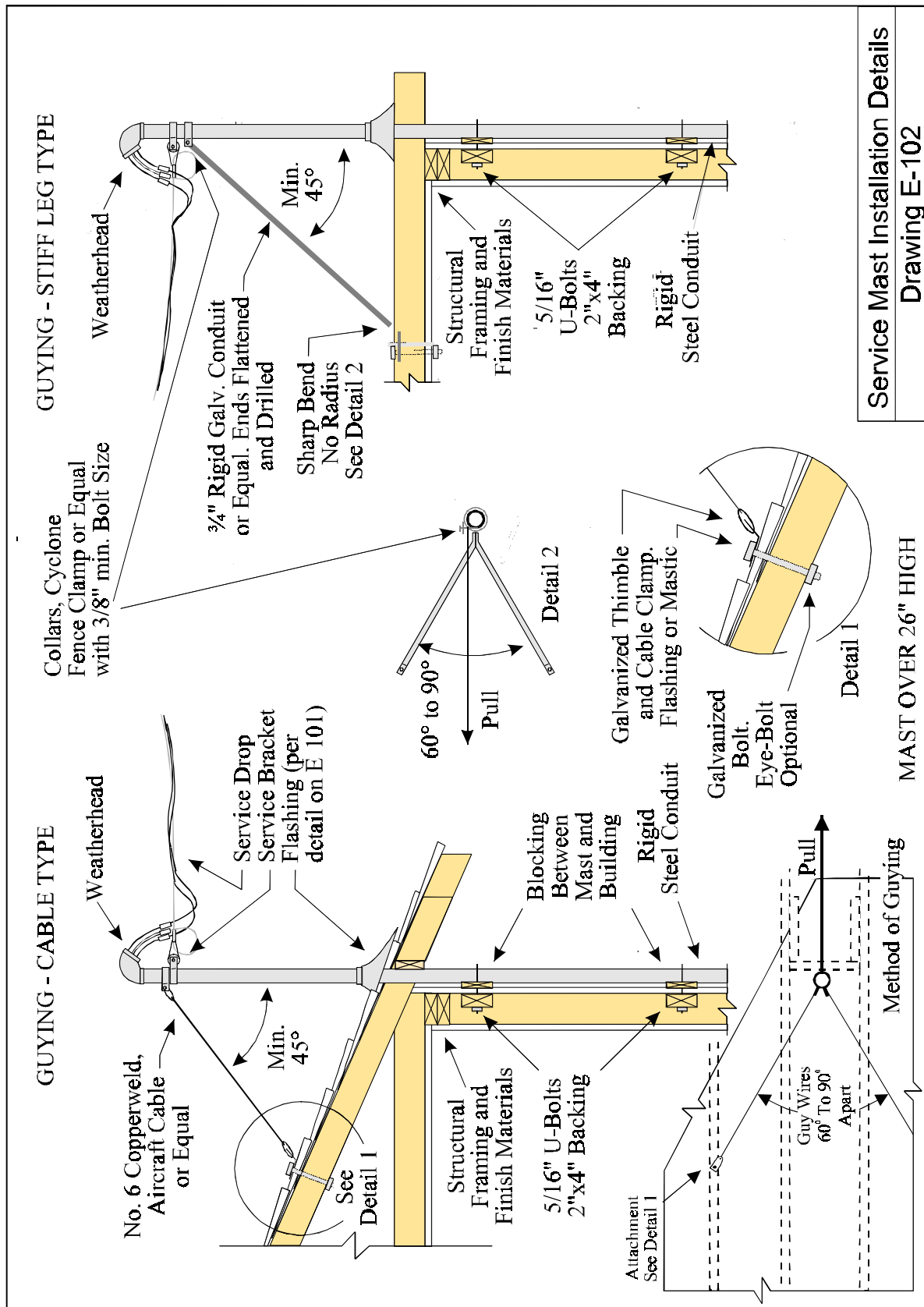
- (1) The serving utility must be consulted by the owner, the owner's agent, or the contractor making the installation regarding the service entrance location and meter equipment requirements before installing the service and equipment. Provisions for a meter and related equipment, an attachment of a service drop, or an underground service lateral must be made at a location acceptable to the serving utility. The point of contact for a service drop must permit the clearances required by the NEC.
- (2) A fire wall must have a minimum two-hour rating as defined by the Uniform Building Code to be considered a building separation in accordance with Article 100 NEC. Buildings of more than one-hour fire-rated construction must have a fire wall separation in compliance with the Uniform Building Code.
- (3) The height of the center of the service meter must be as required by the serving utility. Secondary instrument transformer metering conductor(s) are not permitted in the service raceway.

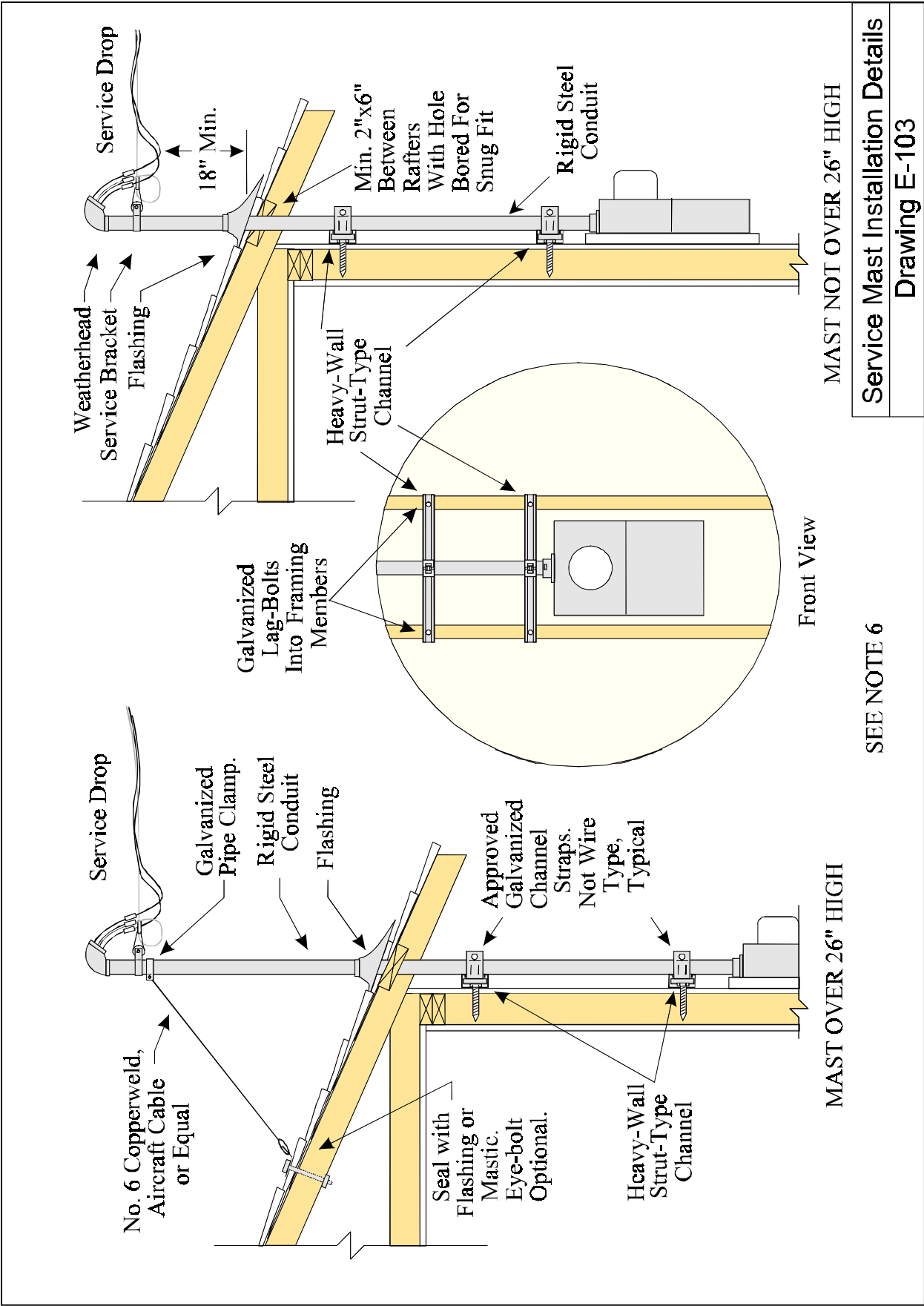
WAC 296-46A-23028 Service or other masts.

Conduit extended through the roof to provide means of attaching:

- (1) All overhead drops for service, feeder, or branch circuits exceeding #1 aluminum or #3 copper must be rigid steel galvanized conduit no smaller than 2-inch.
- (2) All overhead drops for service, feeder or branch circuits not exceeding #1 aluminum or #3 copper must be rigid steel galvanized conduit no smaller than 1 ¼-inch. The installation must comply with drawings E-101 and/or E-102, or must provide equivalent strength by other approved means. Masts for altered or relocated installations will be permitted to comply with drawing E-103.







Notes to drawings E-101, E-102, and E-103.

1. An approved roof flashing must be installed on each mast where it passes through a roof. Plastic, nonhardening mastic must be placed between lead-type flashings and the conduit. Neoprene type flashings will also be permitted to be used.
2. Masts must be braced, secured, and supported in such a manner that no pressure from the attached conductors will be exerted on a roof flashing, meter base, or other enclosures.
3. Utilization of couplings for a mast are permitted only below the point the mast is braced, secured, or supported.
4. Except as otherwise required by the serving utility, service mast support guys must be installed if the service drop attaches to the mast more than 24 inches above the roof line or if the service drop is greater than 100 feet in length from the pole or support. Masts for support of other than service drops must comply with this requirement as well.
5. Intermediate support masts must be installed in an approved manner with methods identical or equal to those required for service masts.
6. For altered services, where it is impractical to install U bolt mast supports due to interior walls remaining closed, it will be permissible to use other alternate mast support methods such as heavy gauge, galvanized, electrical channel material that is secured to two or more wooden studs with 5/16-inch diameter or larger galvanized lag bolts.

WAC 296-46A-23040 Service conductors.

- (1) Service entrance conductors must extend at least eighteen inches from the service head to permit connection to the service drop.
- (2) Installation of service conductors.
 - (a) The installation of service conductors not exceeding 600 volts, nominal, within a building or structure is limited to the following methods: Galvanized or aluminum rigid metal conduit; galvanized intermediate metal conduit; wireways; busways; auxiliary gutters; rigid nonmetallic conduit; cablebus; or mineral-insulated, metal-sheathed cable (type MI).
 - (b) The installation of service conductors exceeding 600 volts, nominal, within a building or structure must be limited to the following methods: Galvanized rigid metal conduit; galvanized intermediate metal conduit; metal-clad cable that is exposed for its entire length; cablebus; or busways.
 - (c) In addition to methods allowed in the NEC, the grounded service conductor is permitted to be identified with a yellow jacket or with one or more yellow stripes.
- (3) Service conductors under the control of the utility, where installed within a building or structure must be installed in rigid steel galvanized conduit or Schedule 80 nonmetallic conduit.
- (4) Multiple-occupancy buildings. A second or additional service drop or lateral to a building having more than one occupancy will be permitted to be installed at a location separate from other service drops or laterals to the building provided that all the following conditions are complied with:
 - (a) Each service drop or lateral is sized in accordance with the NEC for the calculated load to be served by the conductors;
 - (b) Each service drop or lateral terminates in listed metering/service equipment that is located in or on a unit served by the service equipment. Each occupant must have access to the occupant's service disconnecting means;
 - (c) The service drops or laterals originate at the same transformer or power supply;
 - (d) The service equipment is separated at least fifteen feet from other service equipment in or on the building; and
 - (e) A permanent label is placed at each service equipment location that identifies all other

service equipment locations in or on the building and the area or units served by each.

EXCEPTION: Service drops and laterals for two-family dwellings may terminate in meter enclosures located less than fifteen feet apart.

- (5) The service disconnecting means must be installed at a readily accessible location in accordance with (a) or (b) of this subsection.
 - (a) Outside: Service disconnecting means will be permitted on the building or structure or within sight and within fifteen feet of the building or structure served. The building disconnecting means may supply only one building/structure. The service disconnecting means must have an identification plate with 1/2" high letters identifying:
 - (i) The building/structure served;
 - (ii) Its function as the building/structure main service disconnect(s).
 - (b) Inside: When the service disconnecting means is installed inside the building or structure, it must be located so that the service raceway extends no more than fifteen feet inside the building/structure.
- (6) If the service conductors have a lesser ampacity than the overcurrent protection or the equipment rating that they terminate in or on, an identification plate with the ampacity of the conductors must be installed on the equipment.

WAC 296-46A-23062 Service equipment.

- (1) Service equipment, subpanels, and similar electrical equipment must be installed so that they are readily accessible and may not be installed in bathrooms, clothes closets, or shower rooms. All indoor service equipment and subpanel equipment must have adequate working space and be adequately illuminated.
- (2) Temporary construction service equipment may only be used for construction purposes and must be disconnected when the permanent service is connected unless an extension for a definite period of time is granted by the department.
- (3) Equipment ground fault protection systems required by the NEC must be tested prior to being placed into service to verify proper installation and operation of the system as determined by the manufacturer's published instructions. This test or a subsequent test must include all service voltage feeders. The test must be performed by a firm that has qualified personnel and proper equipment to perform the tests required. A copy of the manufacturer's performance testing instructions and a written performance acceptance test record signed by the person performing the test must be provided for the inspector's records at the time of inspection. The performance acceptance test record must include test details including, but not limited to: All trip settings and measurements taken during the test.

WAC 296-46A-250 Grounding and bonding.

- (1) Metallic stubs or valves used in nonmetallic plumbing systems are not required to be grounded or bonded to the electrical system unless required by an electrical equipment manufacturer's instructions.
- (2) Hot and cold water plumbing lines are not required to be bonded together if, at the time of inspection, the inspector can determine the lines are mechanically and electrically joined by one or more metallic mixing valves.
- (3) A temporary construction service is permitted to have only one made electrode.
- (4) If a ground resistance test is not performed to ensure a resistance to ground of 25 ohms or less, two or more electrodes as specified in Article 250-52 NEC must be installed a minimum of six feet apart.

WAC 296-46A-300 Wiring methods.

Cables and raceways for telecommunications, NEC Class 2 and Class 3 conductors must be installed in compliance with Chapter 3 NEC unless other methods are specifically allowed elsewhere in the NEC, chapter 19.28 RCW, or this chapter.

WAC 296-46A-30011 Support of raceways, cables, or boxes in suspended ceilings.

- (1) NEC Class 2, and Class 3 cables must be secured in compliance with Article 336-18 NEC and must be secured to boxes in compliance with Article 370-17 NEC.
- (2) Telecommunications cables must be secured in a manner that will not cause damage to the cables and at intervals not exceeding five feet. Cables are considered adequately supported when run through holes in building structural elements or other supporting elements. Telecommunications cables may be fished into inaccessible hollow spaces of finished buildings. Clamps or fittings are not required where telecommunications cables enter boxes.
- (3) Optical fiber cables must be secured in a manner that will not cause damage to the cables and at intervals not exceeding five feet. Cables are considered adequately supported when run through holes in building structural elements or other supporting elements. Optical fiber cables may be fished into inaccessible hollow spaces of finished buildings. Supports must allow a bending radius that will not cause damage to the cables.
- (4) The wires required in Article 300-11(a) NEC may support raceways, cables, or boxes under the following conditions:
 - (a) Raceways and/or cables are not larger than 3/4-inch trade size.
 - (b) No more than two raceways or cables are supported by a support wire. The two-cable limitation does not apply to telecommunications cables, Class 2 cables, or Class 3 cables on support wires installed exclusively for telecommunications cables, Class 2 cables, or Class 3 cables and secured with fittings adequate to carry the cable weight.
 - (c) Raceways and cables are secured to the support wires by fittings designed and manufactured for the purpose.
 - (d) The support wires are minimum Number 12 gauge and are securely fastened to the structural ceiling and to the ceiling grid system.
 - (e) The raceways or cables serve equipment that is located within the ceiling cavity or is mounted on or supported by the ceiling grid system. Telecommunications cables, Class 2 cables, or Class 3 cables supported as required by this section, may pass through ceiling cavities without serving equipment mounted on or supported by the ceiling grid system.
 - (f) Where not restricted by the building code official or Article 300 NEC.

WAC 296-46A-324 Knob-and-tube wiring.

Article 324 NEC does not prohibit the installation of loose or rolled thermal insulating material in spaces containing existing knob-and-tube wiring provided that all the following conditions are met:

- (1) The wiring must be surveyed by an appropriately licensed electrical contractor who must certify that the wiring is in good condition with no evidence of improper overcurrent protection, conductor insulation failure or deterioration, and with no improper connections or splices. All repairs, alterations, or extensions to the electrical system must be inspected by an electrical inspector as defined in chapter 19.28 RCW.
- (2) The insulation must meet Class I specifications as identified in the Uniform Building Code, with a flame spread factor of twenty-five or less as tested using ASTM E84-81a. Foam insulation may not be used with knob-and-tube wiring.

- (3) All knob-and-tube circuits must have overcurrent protection in compliance with the 60 degree C column of Table 310-16 of the NEC. Overcurrent protection must be either circuit breakers or Type S fuses.

WAC 296-46A-348 Electrical metallic tubing.

- (1) In addition to complying with the provisions of Article 348 NEC, electrical metallic tubing may not be installed in direct contact with the earth or in concrete on or below grade. See also Article 300-6 NEC.
- (2) Electrical metallic tubing must not be installed as the wiring method for service entrance conductors inside a building. Existing electrical metallic tubing, installed prior to October 1984, which is properly grounded and used for service entrance conductors may be permitted to remain if the conduit is installed in a nonaccessible location and of the proper size for the installed conductors.

WAC 296-46A-365 Concerts, motion picture productions, stage shows, and similar shows.

- (1) Service equipment, separately derived systems, feeders and circuits for concerts, motion picture productions, stage shows, and similar shows, must comply with the NEC and this chapter.
- (2) The ampacity of cords and cables must be determined from the appropriate Article 400 NEC cord and cable ampacity tables including all notes.

WAC 296-46A-370 Boxes and fittings.

Single conductors, cables, taps, or splices installed in an open bottom junction box or handhole must be suitable for direct burial. However, an open bottom box manufactured specifically for electrical use will be permitted to be used as an electrical junction box to enclose single conductors, cables, taps, or splices rated for wet locations, only under the following conditions:

- (1) In vehicular traffic areas the box must be rated for not less than H-20 loading and be provided with a bolted, hinged, or slide-on lid embossed with the identification "ELECTRIC" or "ELECTRICAL."
- (2) In incidental vehicular traffic areas (e.g., parks, sports fields, sidewalks, grass lawns, etc.) the box must be rated for not less than H-10 loading and be provided with a bolted, hinged, or slide-on lid embossed with the identification "ELECTRIC" or "ELECTRICAL."
- (3) In nonvehicular traffic areas (e.g. flower beds, patio decks, etc.) the box must be designed for the purpose and be provided with a lid embossed with the identification "ELECTRIC" or "ELECTRICAL."
- (4) All conductors must be installed in approved electrical raceways that enter vertically from the open bottom of the enclosure. These raceways must be fitted with a bushing, terminal fitting, or seal incorporating the physical protection characteristics of a bushing, and project not less than two inches (5 cm) above the bottom surface material. The bottom surface material must be pea gravel or sand a minimum of two inches thick (5 cm) or more if required by the box manufacturer.

WAC 296-46A-41004 Lighting fixtures.

All lighting fixtures within an enclosed shower area or within five feet of the waterline of a bathtub must be totally enclosed.

WAC 296-46A-41030 Flexible cord connection pendant boxes and electric discharge fixtures.

- (1) The flexible cord connection must comply with Article 410-30 NEC.
- (2) Connection to a suspended pendant box must utilize an integral threaded hub.
- (3) The length of the cord for a suspended pendant drop from a permanently installed junction box to a suitable tension take-up device must not exceed six feet.
- (4) Flexible cord used to connect electric discharge fixtures must comply with Article 410-30 NEC.
- (5) The flexible cord must be supported at each end with an approved cord grip or strain relief connector fitting/device that will eliminate all stress on the conductor connections.
- (6) The flexible cord must be a minimum number 14 AWG.
- (7) The flexible cord ampacity must be determined in Table 400-5(A) column A NEC.
- (8) The flexible cord must be hard or extra hard usage.
- (9) A vertical flexible cord supplying electric discharge fixtures must be secured to the fixture support as per Article 336-18 NEC.

WAC 296-46A-422 Water heater circuit.

Water heaters which have a rated circuit load in excess of 3,500 watts at 240 volts must be provided with branch circuit conductors not smaller than No. 10 AWG copper or equal.

WAC 296-46A-450 Transformers.

- (1) Transformers not under the control of a utility, with a primary voltage greater than 600 volts must be provided with a disconnecting means meeting the requirements of Article 230-205 NEC.
- (2) Flammable-liquid or oil filled transformers installed outdoors must meet the following requirements:
 - (a) A transformer installed adjacent to a combustible building/structure with any combustible surface may be located only in the shaded "Approved Transformer Area" shown in Figure 450-1;

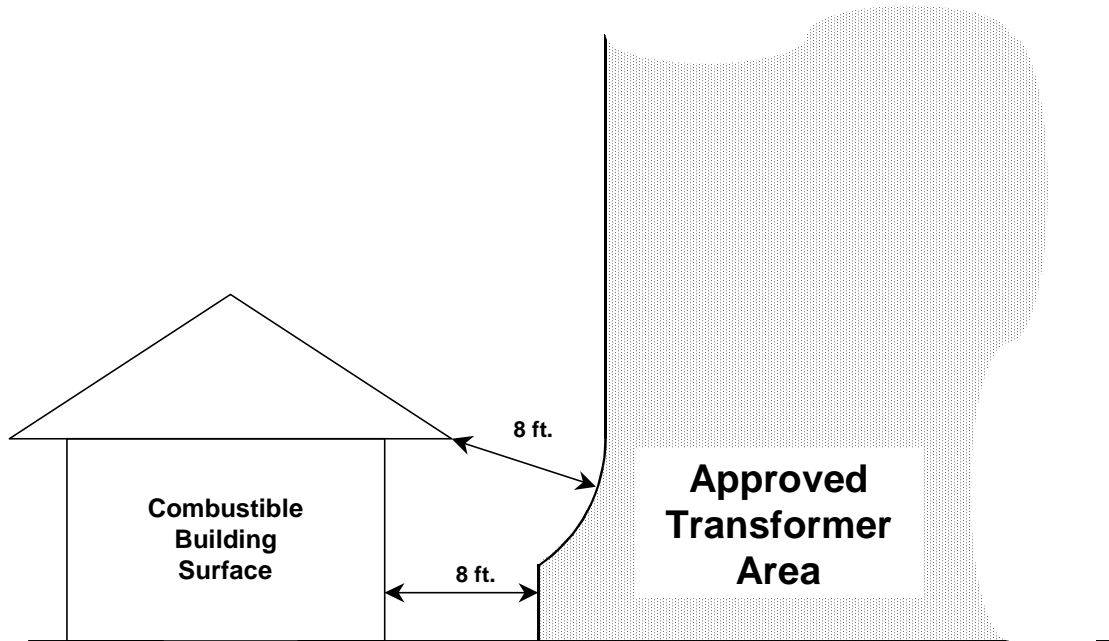


Figure 450-1

(b) A transformer installed adjacent to a building/structure with no combustible surface(s) may be located only in the shaded "Approved Transformer Area" shown in Figure 450-2;

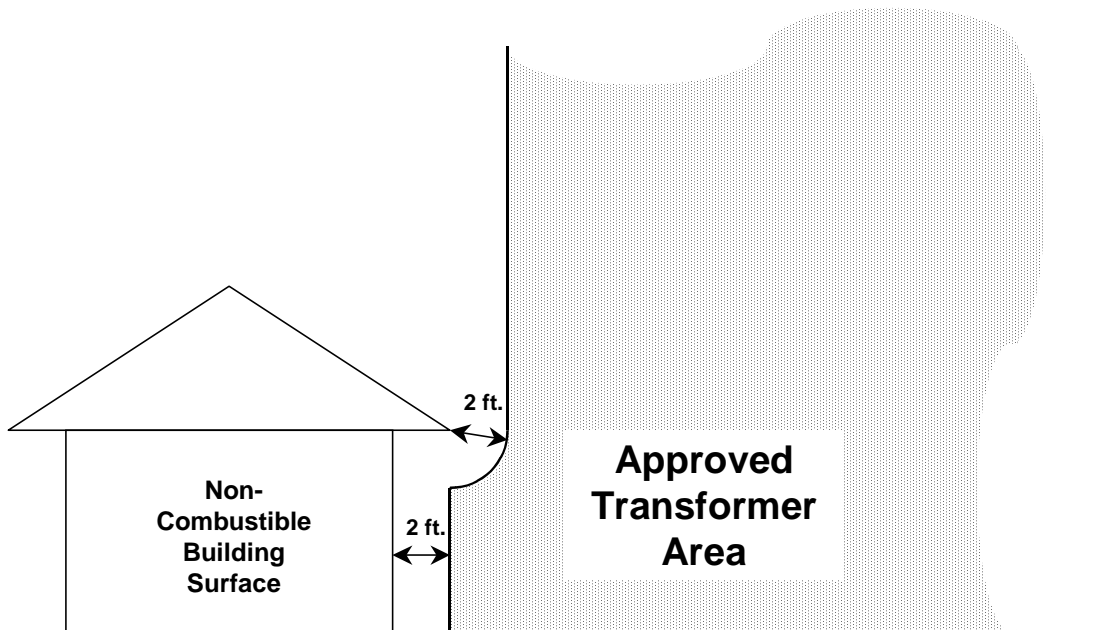


Figure 450-2

- (c) In an urban residential area that has an improved alleyway, and in which a transformer is to be installed next to a noninhabited structure, the transformer may be no closer than two feet to the building/structure and must be outside a line extended vertically from the ends of the eaves or roof lines;
 - (d) A building/structure may have no doors, windows, stairways, or other openings closer than eight feet to the transformer;
 - (e) The finished grade at the location of the transformer must be such that any oil leaking from the transformer will flow away from the building/structure and will not pool; and
 - (f) If transformers are installed in areas subject to traffic other than pedestrian traffic, they must be provided with adequate guarding.
- (3) Enclosures for total underground flammable-liquid or oil filled transformers must not be located within eight feet of a doorway, operable window, stairways or fire escape. Adequate space must be maintained above the enclosure so that a boom may be used to lift the transformer from the enclosure.

WAC 296-46A-500 Sewage disposal systems.

- (1) Pumping chambers for sewage, effluent, or grinder pumps in on-site and septic tank effluent pump (S.T.E.P.) disposal systems will be considered unclassified when not more than five residential units are connected to the system, residential units are connected to a utility sewage system, or when nonresidential systems have residential loading characteristics and all of the following general installations requirements are complied with.
 - (a) The pumping chamber must be adequately vented. Venting may be accomplished through the building or structure plumbing vents where the system venting has been approved by the local jurisdiction authority or by a direct two-inch minimum vent to the

atmosphere.

- (b) Equipment that in normal operation may cause an arc or spark must not be installed in any pumping chamber.
 - (c) Float switches installed in a pumping chamber must be hermetically sealed to prevent the entrance of gases or vapors.
 - (d) Junction boxes, conduits and fittings installed in the septic atmosphere must be of a noncorrosive type, installed to prevent the entrance of gases or vapors.
 - (e) Where a conduit system is installed between the pumping chamber and the control panel, motor disconnect, or power source, an approved sealing method must be installed to prevent the migration of gases or vapors from the pumping chamber, and must remain accessible.
 - (f) Wire splices in junction boxes installed in pumping chambers, must be suitable for wet locations.
- (2) Nonresidential loading characteristics must be certified by a Washington state registered professional engineer, engaged in the business of wastewater management systems design. Documentation that is signed and stamped by the engineer must be provided to the electrical inspector prior to the inspection.
 - (3) Any residential or nonresidential system that has building or structure floor drains being discharged into the system is classified as Class I Division I. Drains from any commercially made tub, shower, basin, sink, or toilet are not considered floor drains.
 - (4) Pumping chamber access covers are permitted to be covered by gravel, light aggregate, or noncohesive granulated soil, and must be accessible for excavation. Access covers that are buried, must have their exact location identified at the electrical panel or other prominent location approved by the authority having jurisdiction.
 - (5) Indoor grinder pumps installed in chambers with less than fifty gallons capacity are not required to meet the requirements of this section, except for the venting requirements in subsection (1)(a) of this section. Indoor grinder pumps installed in chambers with less than fifty gallons capacity are not classified systems as described in Article 500 NEC.
 - (6) Secondary treatment effluent pumping chambers such as sand filters are unclassified, and require no special wiring methods.
 - (7) Inspection approval is required prior to covering or concealing any portion of the septic electrical system, including the pump. New septic and effluent tanks containing electrical wires and equipment must be inspected and approved by the department prior to being loaded with sewage.

WAC 296-46A-514 Dispensing and service stations.

- (1) An emergency disconnecting means or operator must be provided to disconnect the pump or dispensing equipment serving gasoline, volatile flammable liquids, or liquefied flammable gases. The emergency disconnecting means or operator must disconnect all conductors of the circuit supplying all station dispensers and/or pumps (including the grounded conductor) simultaneously from the source(s) of supply.
- (2) For installations with only one dispensing device, the emergency disconnecting means/operator may be used to satisfy subsection (1) of this section.
- (3) For multicircuit installations an electrically held normally open contactor operated by a push-button is permitted to be used as the disconnecting means to satisfy subsection (1) of this section.
- (4) The disconnecting means satisfying subsection (1) of this section must be labeled with an identification plate, with letters at least one inch high, as the emergency disconnecting means. The disconnecting means or operator must be:

- (a) Substantially red in color; and
- (b) Readily accessible and must be located outdoors and within sight of the pump or dispensing equipment it controls.

WAC 296-46A-517 Health care facilities.

In health care facilities, the following methods must be used to determine adequate capacity and ratings of equipment providing electrical power for the essential electrical systems defined in Article 517 NEC:

(1) Systems in new facilities:

- (a) Emergency system: The emergency branch must consist of two branches known as:
 - (i) Life safety system: The feeder conductors and equipment used to supply electrical power to the life safety branch must be determined by summation of the connected loads as determined by Article 220 NEC and may not be subjected to any reduction due to the diversity of the loads. Feeder and equipment will be subject to a 125% multiplier for continuous loads in accordance with Article 220 NEC.
 - (ii) Critical branch system: The feeder conductors and equipment must be calculated in accordance with Article 220 NEC, including a level of diversity as determined by Article 220 NEC.
- (b) Equipment branch: The feeder conductors and equipment used to supply electrical power to the equipment branch of the essential electrical system must be calculated in accordance with Article 220 NEC, including a level of diversity as determined by Article 220 NEC.
- (c) Generator sizing: The rating of the generator(s) supplying electrical power to the essential system of a health care facility must be the summation of the loads determined in (a) and (b) of this subsection with no additional demand factors applied. Momentary X-ray loads may be ignored if the generator is rated at least 300% of the largest momentary X-ray load connected.

(2) Existing essential systems in facilities to which additional load is to be added:

- (a) Existing loads: The existing loads of the separate branches of the essential electrical system may be determined by WAC 296-46A-140.
- (b) Added loads: Added loads to the separate branches of the essential electrical system must be determined by subsection (1) of this section.
- (c) Generators: Generators supplying electrical power to the essential electrical system must be determined by the summation of the loads determined by (a) and (b) of this subsection with no additional demand factors applied.

WAC 296-46A-550 Mobile/manufactured homes.

(1) An electrical service installed on the mobile/manufactured home:

- (a) Must be installed only by the manufacturer, at the manufacturing plant. The manufacturer must complete the service except for service connections, meter, and grounding electrode conductor.
- (b) The completion of the service, at the site, must be made by the owner or electrical contractor.

(2) All alterations to the mobile/manufactured home electrical system must be permitted and inspected by the factory assembled structures section of the department. Electrical wiring in structures that are attached to the mobile/manufactured home and the source of power is from the mobile/manufactured home is inspected by the factory assembled structures section of the department.

WAC 296-46A-553 Boat moorages, floating buildings, and similar installations.

- (1) Docks, wharves, boat moorages, floating buildings, and similar facilities in addition to complying with the appropriate sections of Article 553 or 555 NEC must have a readily accessible service rated disconnect located on the shoreline within sight of the dock, wharf, boat moorage, floating building, or similar facility.
- (2) Extra-hard usage portable power cable may only be used when extending a feeder between the structures indicated above where flexibility is required and must be connected to an approved wiring method within the first fifteen feet of the point where flexibility is required.
- (3) Where shore power is provided, each floating building or boat moorage berth must have a disconnecting means located within sight of each floating building or berth. The disconnecting means must be installed adjacent to but not in or on the floating building.
- (4) Conductors operating in excess of 600 volts, nominal may not be installed on floating portions of marinas, docks, or wharves. Refer to the Fire Protection Standard for Marinas and Boatyards, NFPA 303 for additional information.

WAC 296-46A-600 Electrical signs.

- (1) **General**—All electrical signs within the scope of U.L. Standard 48, the electrical sign standard, must be listed. All electrical signs outside the scope of U.L. Standard 48 will be inspected for compliance with the NEC.
- (2) **Portable outdoor signs.**
 - (a) A weatherproof receptacle outlet that is weatherproof with the supply cord connected must be installed within six feet of each electrical sign.
 - (b) Extension cords are not permitted to supply portable outdoor signs.
 - (c) All portable outdoor electrical signs must be listed or field evaluated by an electrical testing laboratory accredited by the department.
- (3) **Outdoor awnings.**
 - (a) Lighting fixtures in outdoor awnings must be suitable for wet locations and be connected by a wiring method suitable for wet locations. Fluorescent lighting fixtures must be located at least six inches from the awning fabric. Incandescent lamps or fixtures must be located at least eighteen inches from the awning fabric. A disconnecting means must be installed per Article 600 NEC.
 - (b) Listed awning signs must be installed in compliance with the manufacturer's instructions and the NEC.

WAC 296-46A-680 Electrical equipment associated with spas, hot tubs, swimming pools or hydromassage bathtubs.

- (1) Package spa or hot tubs. Electrical heating, pumping, filtering, and/or control equipment installed within five feet of a spa or hot tub must be listed or field evaluated as a package with the spa or hot tub.
- (2) A factory assembled skid pack of electrical heating, pumping, filtering, and/or control equipment (skid pack) must be installed more than five feet from a spa or hot tub and shall be listed as a package unit.
- (3) Field installed, listed electrical equipment for a hot tub, spa, or swim spa must be located at least five feet from the hot tub, spa or swim spa, provided that:
 - (a) The heater is listed as a "spa heater or swimming pool heater";
 - (b) The pump is listed as a "spa pump" or "swimming pool/spa pump" (the pump may be combined with a filter assembly); and

- (c) Other listed equipment such as panelboards, conduit, and wire are suitable for the environment and comply with the applicable codes.
- (4) Field installed, listed electrical equipment for a swimming pool must be located at least five feet from the swimming pool provided that:
 - (a) The heater is listed as a "swimming pool heater or a spa heater";
 - (b) The pump is listed as a "swimming pool pump" or "spa pump" or "swimming pool/spa pump"; and
 - (c) Other equipment such as panelboards, conduit, and wire are suitable for the environment and comply with the applicable codes.
 - (d) The five-foot separation may be reduced by the installation of a permanent barrier, such as a solid wall, fixed glass windows or doors, etc. The five-foot separation will be determined by the shortest path or route that a cord can travel from the spa, hot tub, swim spa, or swimming pool to an object.
- (5) The field assembly or installation of "recognized components" will not be permitted.
- (6) Hydromassage bathtubs must be listed as a unit and bear a listing mark which reads "hydromassage bathtub."
- (7) Manufacturers instructions must be followed as part of the listing requirements.
- (8) Electrical components which have failed and require replacement must be replaced with identical products unless the replacement part is no longer available; in which case, a like-in-kind product may be substituted provided the mechanical and grounding integrity of the equipment is maintained.
- (9) Cut-away type display models may not be sold for other than display purposes and are not expected to bear a listing mark.

WAC 296-46A-700 Emergency systems.

- (1) Exit and emergency lights must be installed in accordance with the Article 700 NEC and the currently adopted edition of the Uniform Building Code in all health or personal care facilities defined in this chapter, educational facilities, institutional facilities, hotels, motels, and places of assembly for one hundred or more persons.
- (2) Device and junction boxes for fire alarm systems other than the surface raceway type, must be substantially red in color, both inside and outside. Power-limited fire protective signaling circuit conductors must be durably and plainly marked in or on junction boxes or other enclosures to indicate that it is a power-limited fire protective signaling circuit.
- (3) All boxes and enclosures, including transfer switches, generators, and power panels for emergency systems and circuits must be permanently identified with an identification plate that is substantially red in color.

WAC 296-46A-702 Optional standby systems.

Optional standby systems derived from portable generators must meet all of the requirements of Article 702 NEC.

WAC 296-46A-900 Electrical work permits and fees.

- (1) When an electrical work permit is required by chapter 19.28 RCW or this chapter, inspections may not be made, equipment must not be energized, or services connected unless:
 - (a) A valid electrical work permit is completely and legibly filled out and readily available;
 - (b) The classification or type of facility to be inspected and the exact scope and location

- of the electrical work to be performed are clearly shown on the electrical work permit;
- (c) The address where the inspection is to be made is clearly identifiable from the street, road or highway that serves the premises; and
 - (d) Driving directions and/or a legible map must be provided for the inspectors' use.
- (2) Final inspection approval will not be made until all inspection fees are paid in full.
 - (3) An electrical work permit is valid for only one specific site address.
 - (4) A valid electrical work permit must be posted on the job site at a readily accessible and conspicuous location prior to beginning electrical work and at all times until the electrical inspection process is completed.
 - (5) Except for emergency repairs to existing electrical systems, electrical work permits must be obtained and posted at the job site prior to beginning the installation or alteration. An electrical work permit for emergency repairs to existing electrical systems must be obtained and posted at the job site no later than the next business day after the work is begun.
 - (6) Electrical work permits will expire one year after the date of purchase unless electrical work is actively and consistently in progress and inspections requested. Refunds are not available for expired electrical work permits or for electrical work permits where the electrical installation has begun, or an electrical inspection or electrical inspection request has been made.
 - (7) Fees must be paid in accordance with the inspection fee schedule, WAC 296-46A-910.
 - (8) Each person, firm, partnership, corporation, or other entity must furnish a valid electrical work permit for the installation, alteration, or other electrical work performed or to be performed by that entity. Each electrical work permit application must be signed by the electrical contractor's administrator (or designee) or the person, or authorized representative of the firm, partnership, corporation, or other entity that is performing the electrical installation or alteration. Permits purchased electronically do not require a handwritten signature. An entity designated to sign electrical permits must provide written authorization of the purchaser's designation when requested by the department.
 - (9) When allowed by the chief electrical inspector, annual permits for the inspection of telecommunications installations may be purchased by a building owner or licensed electrical/telecommunications contractor. Telecommunications work may be done under this annual permit by the building owner, the owner's regular employees, or a licensed electrical/telecommunications contractor. The permit holder is responsible for correcting all installation deficiencies. The permit holder must make available to the electrical inspector records of all the telecommunications work performed and the valid electrical or telecommunications contractor license numbers for all contractors working under the permit.
 - (10) Permits to be obtained by customers. Whenever a serving electrical utility performs work for a customer under one of the exemptions in WAC 296-46A-935 and the work is subject to inspection, the customer is responsible for obtaining all required permits.
 - (11) As required by chapter 19.28 RCW or this chapter, an electrical work permit is required for the installation, alteration, or maintenance of electrical systems except for: Plug-in appliances, travel trailers, or like-in-kind replacement of a: Circuit breaker, fuse, lamp, snap switch, receptacle outlet, heating element, lighting fixture ballast with an exact same ballast, contactor, relay, timer, starter, similar control component, or motor.
 - (12) An electrical work permit is required for all installations of telecommunications systems on the customer side of the network demarcation point for projects greater than ten telecommunications outlets. All backbone installations regardless of size and all telecommunications cable or equipment installations involving penetrations of fire barriers or passing through hazardous locations require permits and inspections. For the purposes of determining the inspection threshold for telecommunications projects greater than ten outlets, the following will apply:
 - (a) An outlet is the combination of jacks and mounting hardware for those jacks, along with the associated cable and telecommunications closet terminations, that serves one workstation. In counting outlets to determine the inspection threshold, one outlet

must not be associated with more than six standard four-pair cables or more than one twenty-five-pair cable. Therefore, installations of greater than sixty four-pair cables or ten twenty-five-pair cables require permits and inspections. (It is not the intent of the statute to allow large masses of cables to be run to workstations or spaces serving telecommunications equipment without inspection. Proper cable support and proper loading of building structural elements are safety concerns. When considering total associated cables, the telecommunications availability at one workstation may count as more than one outlet.)

- (b) The installation of greater than ten outlets and the associated cables along any horizontal pathway from a telecommunications closet to work areas during any continuous ninety-day period requires a permit and inspection.
 - (c) All telecommunications installations within the residential dwelling units of single-family, duplex, and multifamily dwellings do not require permits or inspections. In residential multifamily dwellings, permits and inspections are required for all backbone installations, all fire barrier penetrations, and installations of greater than ten outlets in common areas.
 - (d) No permits or inspections are required for installation or replacement of cord and plug connected telecommunications equipment or for patch cord and jumper cross-connected equipment.
 - (e) Definitions of telecommunications technical terms will come from chapter 19.28 RCW or the currently adopted rules, EIA/TIA standards, and NEC.
- (13) Requests for inspections must be made no later than three business days after completion of the electrical/telecommunications installation or one business day after any part of the installation has been energized, whichever occurs first. Inspections for annual electrical maintenance permits and annual telecommunications permits may be done on a regular schedule arranged by the permit holder with the department.

WAC 296-46A-910 Inspection fees.

To calculate inspection fees, the amperage is based on the conductor ampacity or the overcurrent device rating. The total fee must not be less than the number of progress inspection (one-half hour) units times the progress inspection fee rate from subsection (8) PROGRESS INSPECTIONS below.

(1) RESIDENTIAL.

(a) Single and two family residential (New Construction).

Note: Square footage is the area included within the surrounding exterior walls of a building exclusive of any interior courts. (This includes any floor area in an attached garage, basement, or unfinished living space.)

"Inspected with the service" means that a separate service inspection fee is included on the same electrical work permit and "inspected at the same time" means all wiring is to be ready for inspection during the initial inspection trip.

An "outbuilding" is a structure that serves a direct accessory function to the residence, such as a pump house or storage building. Outbuilding does not include buildings used for commercial type occupancies or additional dwelling occupancies.

(i)	First 1300 sq. ft.	\$68.90
	Each additional 500 square feet or portion of	\$22.10
(ii)	Each outbuilding or detached garage-inspected at the same time as a dwelling unit on the property	\$28.80
(iii)	Each outbuilding or detached garage-inspected separately	\$45.50
(iv)	Each swimming pool-inspected with the service	\$45.50
(v)	Each swimming pool-inspected separately	\$68.90
(vi)	Each hot tub, spa, or sauna-inspected with the service	\$28.80
(vii)	Each hot tub, spa, or sauna-inspected separately	\$45.50
(viii)	Each septic pumping system-inspected with the service	\$28.80
(ix)	Each septic pumping system-inspected separately	\$45.50

(b) Multifamily residential and miscellaneous residential structures, services and feeders (new construction)

(i)	Each service and/or feeder		
	<i>Ampacity</i>	<i>Service/Feeder</i>	<i>Additional Feeder</i>
	0 to 200	\$74.30	\$22.10
	201 to 400	\$92.30	\$45.50
	401 to 600	\$126.70	\$63.20
	601 to 800	\$162.50	\$86.60
	801 and over	\$231.70	\$173.80

(c) Single or multifamily altered services or feeders including circuits

(i)	Each altered service and/or altered feeder	
	<i>Ampacity</i>	<i>Service or Feeder</i>
	0 to 200	\$63.20
	201 to 600	\$92.30
	601 and over	\$139.10
(ii)	Maintenance or repair of a meter or mast (no alterations to the service or feeder)	\$34.40

(d) Single or multifamily residential circuits only (no service inspection).

Note: Altered or added circuit fees are calculated per panelboard. Total cost of the alterations in an individual panel should not exceed the cost of a complete altered service or feeder of the same rating, as shown in subsection (1) RESIDENTIAL (c) (table) above.

(i)	1 to 4 circuits (see note)	\$45.50
	Except:	
	Water heater load control devices installed in residences as part of an energy conservation program.	\$27.70
	Note: The \$27.70 permit fee for water heater load control devices will expire on December 31, 2001.	
(ii)	Each additional circuit (see note)	\$5.10

- (e) **Mobile homes, modular homes, mobile home parks, and RV parks**
- (i) Mobile home or modular home service or feeder only \$45.50
 - (ii) Mobile home service and feeder \$74.30
- (f) **Mobile home park sites and RV park sites**

Note: For master service installations, see subsection (2)

- (i) First site service or site feeder \$45.50
- (ii) Each additional site service; or additional site feeder inspected at the same time as the first service or feeder \$28.80

(2) COMMERCIAL / INDUSTRIAL.

- (a) **New service or feeder, and additional new feeders inspected at the same time (includes circuits)**

Note: For large COMMERCIAL / INDUSTRIAL projects that include multiple feeders, "inspected at the same time" can be interpreted to include additional inspection trips for a single project. The additional inspections must be for electrical work specified on the permit at the time of purchase. The permit fee for such projects must be calculated from (2) (a) (i)(table) above. However, the total fee must not be less than the number of progress inspection (one-half hour) units times the progress inspection fee rate from subsection (8) PROGRESS INSPECTIONS below.

	<i>Ampacity</i>	<i>Service / Feeder</i>	<i>Additional Feeder</i>
	0 to 100	\$74.30	\$45.50
	101 to 200	\$92.30	\$57.80
	201 to 400	\$173.80	\$68.90
	401 to 600	\$202.60	\$81.00
	601 to 800	\$261.80	\$110.30
	801 to 1000	\$319.60	\$133.40
	1001 and over	\$348.70	\$186.10
(b) Altered services or feeders (no circuits)			
(i) Service/feeders	<i>Ampacity</i>	<i>Service or Feeder</i>	
	0 to 200	\$74.30	
	201 to 600	\$173.80	
	601 to 1000	\$261.80	
	1001 and over	\$290.80	
(ii) Maintenance or repair of a meter or mast (no alterations to the service or feeder)			\$63.20
(c) Circuits only.			

Note: Altered/added circuit fees are calculated per panelboard. Total cost of the alterations in a panel (or panels) should not exceed the cost of a new feeder (or feeders) of the same rating, as shown in subsection (2) COMMERCIAL/INDUSTRIAL (a)(i)(table) above.

- (i) First five circuits per branch circuit panel \$57.80
- (ii) Each additional circuit per branch circuit panel \$5.10
- (d) **Over 600 volts surcharge per permit.** \$57.80

(3) TEMPORARY SERVICE(S).

Notes: Temporary electrical power and lighting installations must be used during the period of construction, remodeling, maintenance, repair, or demolition of buildings, structures, equipment, or similar activities.

Temporary electrical power and lighting installations are allowed during emergencies and for tests, experiments, and developmental work. Temporary electrical power and lighting installations are allowed for a period not to exceed 90 days for Christmas decorative lighting and similar purposes. Temporary wiring shall be removed immediately upon completion of construction or purpose for which the wiring was installed.

Temporary stage or concert inspections requested outside of normal business hours will be subject to the portal-to-portal hourly fees in subsection (11) OTHER INSPECTIONS. The fee for such after hours inspections shall be the greater of the fee from (3) TEMPORARY SERVICES (a) or the portal-to-portal fee.

(a) Temporary services, temporary stage or concert productions.

<i>Ampacity</i>	<i>Service or Feeder</i>	<i>Additional Feeder</i>
0 to 60	\$39.80	\$20.50
61 to 100	\$45.50	\$22.10
101 to 200	\$57.80	\$28.80
201 to 400	\$68.90	\$34.40
401 to 600	\$92.30	\$45.50
601 and over	\$104.60	\$52.20

(4) IRRIGATION MACHINES, PUMPS AND EQUIPMENT.

(a) Irrigation machines

- | | | |
|-------|---|---------|
| (i) | Each tower-when inspected at the same time as a service and feeder from (2) COMMERCIAL / INDUSTRIAL | \$5.10 |
| (ii) | Towers-when not inspected at the same time as a service and feeders-one to six towers | \$68.90 |
| (iii) | Each additional tower | \$5.10 |

(5) MISCELLANEOUS—commercial/industrial and residential.

(a) Low-voltage thermostats.

- | | | |
|------|--|---------|
| (i) | First thermostat | \$34.40 |
| (ii) | Each additional thermostat inspected at the same time as the first | \$10.80 |

(b) Low-voltage systems and telecommunications systems. Includes all telecommunications installations, fire alarm and burglar alarm, nurse call, intercom, security systems, energy management control systems, HVAC/refrigeration control systems (other than thermostats above), industrial and automation control systems, lighting control systems, stand-alone sound systems, public address, and similar low-energy circuits and equipment.

- | | | |
|------|---|---------|
| (i) | First 2500 square feet or less | \$39.80 |
| (ii) | Each additional 2500 square feet or portion thereof | \$10.80 |

(c) Signs and outline lighting.

- | | | |
|------|---|---------|
| (i) | First sign (no service included) | \$34.40 |
| (ii) | Each additional sign inspected at the same time on the same building or structure | \$16.40 |

(d) Berth at a marina or dock.

Note: Five berths or more shall be permitted to have the inspection fees based on appropriate service and feeder fees from section (2) COMMERCIAL / INDUSTRIAL (a) (i) above.

- | | | |
|------|--|---------|
| (i) | Berth at a marina or dock. | \$45.50 |
| (ii) | Each additional berth inspected at the same time | \$28.80 |

(e) Yard pole, pedestal, or other meter loops only		
(i)	Yard pole, pedestal, or other meter loops only	\$45.50
(ii)	Meters installed remote from the service equipment: Inspected at the same time as a service, temporary service or other installations	\$10.80
(f) Emergency inspections requested outside of normal working hours.		
	Regular fee plus surcharge of:	\$86.60
(g) Generators.		
(i)	Portable generators: Permanently installed transfer equipment for portable generators	\$63.20
(ii)	Permanently installed generators: Refer to the appropriate residential or commercial new service or feeder section.	
(h) Annual permit fee for a plant location employing regular electrical maintenance staff - each inspection a two-hour maximum.		
	<i>Inspections</i>	<i>Fee</i>
	1 to 3 plant electricians	12 \$1,664.40
	4 to 6 plant electricians	24 \$3,330.40
	7 to 12 plant electricians	36 \$4,995.30
	13 to 25 plant electricians	52 \$6,661.30
	More than 25 plant electricians	52 \$8,327.30
(i) Telecommunications annual permit fee.		
(i)	For commercial/industrial location employing full-time telecommunications maintenance staff or having a yearly maintenance contract with a licensed electrical/telecommunications contractor.	
	Annual inspection time required may be estimated by the purchaser at the rate for "OTHER INSPECTIONS" in this section, charged portal-to-portal per hour—two-hour minimum.	\$137.80
	Each additional hour, or portion thereof, of portal-to-portal inspection time	\$68.90

(6) CARNIVAL INSPECTIONS.

(a) First carnival field inspection each year.		
(i)	Each ride and generator truck	\$16.40
(ii)	Each remote distribution equipment, concession, or gaming show	\$5.10
(iii)	If the calculated fee for first field inspection above is less, the minimum inspection fee shall be:	\$86.60
(b) Subsequent carnival inspections.		
(i)	First ten 10 rides, concessions, generators, remote distribution equipment, or gaming show	\$86.60
(ii)	Each additional ride, concession, generator, remote distribution equipment, or gaming show	\$5.10
(c) Concession(s) or ride(s) not part of a carnival		
(i)	First field inspection each year of a single concession or ride, not part of a carnival	\$68.90
(ii)	Subsequent inspection of a single concession or ride, not part of a carnival	\$45.50

(7) TRIP FEES.

(a)	Requests by property owners to inspect existing installations.	\$68.90
(b)	Submitter notifies the department that work is ready for inspection when it is not ready.	\$34.40
(c)	Additional inspection required because submitter has provided the wrong address.	\$34.40
(d)	More than one additional inspection required to inspect corrections; or for repeated neglect, carelessness, or improperly installed electrical work.	\$34.40
(e)	Each trip necessary to remove a noncompliance notice.	\$34.40
(f)	Corrections that have not been made in the prescribed time, unless an exception has been requested and granted.	\$34.40
(g)	Installations that are covered or concealed before inspection.	\$34.40

(8) PROGRESS INSPECTIONS.

Note: The fees calculated in subsections (1) through (6) shall apply to all electrical work. This section must be applied to a permit where the permit holder has requested additional inspections beyond the number supported by the permit fee calculated at the rate in (1) through (6).

(a)	On partial or progress inspections, each one-half hour	\$34.40
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(9) PLAN REVIEW FEE.

(a)	Fee is thirty-five percent of the electrical work permit fee as determined by WAC 296-46-910, plus a plan review submission fee of:	\$57.80
(b)	Supplemental submissions of plans per hour or fraction of an hour.	\$68.90
(c)	Plan review shipping and handling fee.	\$16.40

(10) OUT-OF-STATE INSPECTIONS.

- (a)** Permit fees will be charged according to the fees listed in this section.
- (b)** Travel expenses:
 - (i)** All travel expenses and per diem for out-of-state inspections are billed following completion of each inspection(s). These expenses can include, but are not limited to: Inspector's travel time, travel cost and per diem at the state rate. Travel time is hourly based on the rate in subsection (11) of this section.

(11) OTHER INSPECTIONS.

(a)	Inspections not covered by above inspection fees must be charged portal-to-portal per hour:	\$68.90
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(12) REFUND PROCESSING FEE.

(a)	All requests for permit fee refunds will be assessed a processing fee.	\$10.80
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(13) VARIANCE REQUEST PROCESSING FEE.

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|-----|--|---------|
| (a) | Variance request processing fee. This fee is nonrefundable once the transaction has been made. | \$68.90 |
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WAC 296-46A-915 Electrical/telecommunications contractor license, administrator certificate and examination, and copy fees.

(1)	GENERAL OR SPECIALTY CONTRACTOR LICENSE (per twenty-four month period)	\$222.40
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|-----|---|---------|
| (a) | Reinstatement of a general or specialty contractor's license after a suspension | \$44.70 |
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(2) ADMINISTRATOR CERTIFICATE

Note: Failure to appear for an examination results in forfeiture of the examination fee.

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|-----|---|----------|
| (a) | Administrator certificate examination application (nonrefundable) | \$27.70 |
| (b) | Administrator first-time examination fee | \$66.60 |
| (c) | Administrator retest examination fee | \$77.90 |
| (d) | Administrator original certificate (request for certificate submitted with application) | \$66.30 |
| (e) | Administrator certificate renewal (per twenty-four month period) | \$83.80 |
| (f) | Late renewal of administrator certificate (per twenty-four month period) | \$167.60 |
| (g) | Transfer of administrator designation | \$33.10 |
| (h) | Certified copy of each document (maximum per file): | \$47.00 |
| | First document: | \$21.30 |
| | Each additional document: | \$2.00 |
| (i) | Reinstatement of an administrator's certificate after a suspension | \$44.70 |

(3)	REFUND PROCESSING FEE	\$10.80
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WAC 296-46A-920 Civil penalty.

Notes:

- (A) Each day that a violation occurs will be a separate offense.
- (B) Once a violation of chapter 19.28 RCW, or chapter 296-46A or 296-401B WAC becomes a final judgment, any additional violation within three years becomes a "second" or "additional" offense subject to an increased penalty as set forth in the following tables.
- (C) In case of continued, repeated or gross violation of the provisions of chapter 19.28 RCW, or chapter 296-46A or 296-401B WAC or if property damage or bodily injury occurs as a result of the failure of a person, firm, partnership, corporation, or other entity to comply with chapter 19.28 RCW, the department may double the penalty amounts shown in subsections (1) through (13) of this section.
- (D) A person, firm, partnership, corporation or other entity who violates a provision of chapter 19.28 RCW, chapter 296-46A or 296-401B WAC is liable for a civil penalty based upon the following schedule.

- (1) Offering to perform, submitting a bid for, advertising, installing or maintaining cables, conductors or equipment:
 - (a) That convey or utilize electrical current without having a valid electrical contractor license.
 - (b) Used for information generation, processing, or transporting of signals optically or electronically in telecommunications systems without having a valid telecommunications contractor license.

First offense:	\$500
Second offense:	\$1,000
Third offense:	\$3,000
Each offense thereafter:	\$5,000
- (2) Employing an individual for the purposes of chapter 19.28 RCW who does not possess a valid certificate of competency or training certificate to do electrical work.

First offense:	\$100
Second offense:	\$350
Each offense thereafter:	\$500
- (3) Performing electrical work without having a valid certificate of competency or electrical training certificate.

First offense:	\$100
Second offense:	\$250
Each offense thereafter:	\$500
- (4) Employing electricians and electrical trainees for the purposes of chapter 19.28 RCW in an improper ratio.

First offense:	\$250
Second offense:	\$350
Each offense thereafter:	\$500
- (5) Failing to provide proper supervision to an electrical trainee as required by chapter 19.28 RCW.

First offense:	\$250
Second offense:	\$350
Each offense thereafter:	\$500
- (6) Working as an electrical trainee without proper supervision as required by chapter 19.28 RCW.

First offense:	\$50
Second offense:	\$100
Each offense thereafter:	\$250
- (7) Offering, bidding, advertising, or performing electrical or telecommunications installations, alterations or maintenance outside the scope of the firm's specialty electrical or telecommunications contractors license.

First offense:	\$250
Second offense:	\$500
Each offense thereafter:	\$1,000
- (8) Selling or exchanging electrical equipment associated with spas, hot tubs, swimming pools or hydromassage bathtubs which is not listed by an approved electrical testing laboratory.

First offense:	\$500
Second offense:	\$1,000
Each offense thereafter:	\$2,000

Definition: The sale or exchange of electrical equipment associated with hot tubs, spas, swimming pools or hydromassage bathtubs means: "Sell, offer for sale, advertise, display for sale, dispose of by way of gift, loan, rental, lease, premium, barter or exchange."

- (9) Covering or concealing installations prior to inspection.

First offense:	\$500
Second offense:	\$1,000
Each offense thereafter:	\$2,000

- (10) Failing to make corrections within fifteen days of notification by the department.

Exception: Where an extension has been requested and granted, this penalty applies to corrections not completed within the extended time period.

First offense:	\$250
Second offense:	\$500
Each offense thereafter:	\$1,000

- (11) Failing to obtain or post an electrical/telecommunications work permit prior to beginning the electrical/telecommunication installation or alteration.

Exception: In cases of emergency repairs to existing electrical/telecommunications systems, this penalty will not be charged if the permit is obtained and posted no later than the business day following completion of the emergency repair.

First offense:	\$250
Homeowner - First offense:	\$50
Second offense:	\$500
Each offense thereafter:	\$1,000

- (12) Violating chapter 19.28 RCW duties of the electrical/telecommunications administrator.

First offense:	\$100
Second offense:	\$500
Each offense thereafter:	\$1,000

- (13) Violating any of the provisions of chapter 19.28 RCW or chapter 296-46A or 296-401B WAC which are not identified in subsections (1) through (12) of this section.

First offense:	\$250
Second offense:	\$500
Each offense thereafter:	\$1,000

WAC 296-46A-930 Electrical/telecommunications contractor license and administrator certificate designation.

- (1) **General electrical (01):** A general electrical license and/or administrator's certificate encompasses all phases and all types of electrical and telecommunications installations.

- (2) Specialty (limited) electrical licenses and/or administrator's certificates are as follows:

- (a) **Residential (02):** Limited to the wiring of one- and two-family dwellings, or multifamily dwellings not exceeding three floors above grade. All wiring is limited to nonmetallic sheathed cable, except for services and/or feeders, exposed installations where physical protection is required, and for wiring buried below grade.

This specialty also includes the wiring for ancillary structures such as, but not limited to: Swimming pools, septic pumping systems, domestic water systems, limited energy systems (e.g., doorbells, intercoms, fire alarm, burglar alarm, energy control, HVAC/refrigeration, etc.), apartment complex offices/garages, site lighting when supplied from the residence or ancillary structure, and other structures directly associated with the functionality of the residential units.

This specialty does not include wiring occupancies defined in WAC 296-46A-130, commercial occupancies such as: Motels, hotels, offices, assisted living facilities, or stores.

This specialty cannot perform the work of other specialties in other than the residential occupancies defined in this subsection.

- (b) **Pumps, irrigation, and wells.**

- (i) **Pump and irrigation (03):** Limited to the electrical connection of domestic and

irrigation water pumps, circular irrigating systems and related pumps and pump houses. This specialty includes circuits, feeders, controls, and services to supply said pumps. This specialty may perform the work defined in (ii) of this subsection.

- (ii) **Domestic well (03A):** Limited to the extension of a branch circuit, which is supplied and installed by others, to pump controllers; pressure switches; alarm sensors; and water pumps which do not exceed 7 1/2 horsepower at 230 volts AC single phase.
- (c) **Signs (04):** Limited to placement and connection of signs and outline lighting, the electrical supply, related controls and associated circuit extensions thereto; and the installation of a maximum 60 ampere, 120/240 volt single phase service to supply power to a remote sign only. This specialty may service, maintain, or repair exterior lighting fixtures that are mounted on a pole or other structure with like-in-kind components.
- (d) **Domestic appliances (05):** Limited to the electrical connection of household appliances and the wiring thereto; such as hot water heaters, ranges, dishwashers, clothes dryers, oil and gas furnaces, and similar appliances. This specialty includes circuits to the appliances; however, it does not include the installation of service and/or feeders or circuits to electric furnaces and heat pump equipment.
- (e) **Limited energy.**
 - (i) **Limited energy system (06):** Limited to the installation of signaling and power limited circuits and related equipment. This specialty is restricted to low-voltage circuits. This specialty includes the installation of fire protection signaling systems, intrusion alarms, energy management and control systems, industrial and automation control systems, lighting control systems, commercial and residential amplified sound, public address systems, and such similar low-energy circuits and equipment. Limited energy electrical contractors may perform all telecommunications work under their specialty (06) electrical license and administrator's certificate. This specialty may perform the work defined in (ii) of this subsection.
 - (ii) **HVAC/refrigeration limited energy system (06A):** Limited to the installation of low-voltage, Class 2 HVAC/refrigeration control circuit cables for control of furnaces, heat pumps, and similar HVAC or refrigeration equipment when such conductors do not connect to other than HVAC or refrigeration equipment and when such buildings do not exceed three floors above grade, except for residential occupancies. Associated limited energy control components that are integral with, and control the operation of, the heating and cooling equipment or refrigeration equipment are included in the scope of this specialty. These limited energy components include, but are not limited to, the following: Thermostats, humidistats, low-voltage damper controls, outdoor sensing controls, outside air dampers, air monitoring devices, stand-alone duct smoke detectors exclusively controlled by or directly related to the HVAC/refrigeration system, zone control valves, and the mounting of HVAC/refrigeration control panels and low-voltage connections. Installation of integrated building control systems, other than HVAC/refrigeration systems as defined herein, are not included in this specialty.

This specialty may install, service, maintain, repair, or replace HVAC/refrigeration electrical systems as long as the work is on the HVAC/refrigeration system itself. This specialty may replace line voltage components within the equipment, only if the components are like-in-kind with similar voltage and current ratings. Reconnection of replaced line voltage HVAC/refrigeration components and equipment, including line supply whips not over 6 feet in length, is permitted provided there are no modifications to the characteristics of the branch circuit/feeder. This specialty may not install branch circuit (line voltage) conductors, services, feeders, panelboards, or

disconnect switches to HVAC/refrigeration equipment. Short sections of raceway may be installed for access to or physical protection of cables; however, wiring in conduit systems and wiring in classified locations are excluded from this specialty.

(f) Maintenance.

- (i) **Nonresidential maintenance (07):** Limited to maintenance, repair and replacement of like-in-kind existing electrical equipment and conductors on industrial or commercial premises. This specialty does not include maintenance activities in residential dwellings defined in (a) of this subsection for the purposes of accumulating training experience toward qualification for the residential electrician (02) specialty examination. This specialty may perform the work defined in (ii) and (iii) of this subsection.
- (ii) **Nonresidential lighting maintenance and lighting retrofit (07A):** Limited to working within the housing of existing nonresidential lighting fixtures for work related to repair, service, maintenance of lighting fixtures and installation of energy efficiency lighting retrofit upgrades. This specialty includes replacement of lamps, ballasts, sockets and the installation of listed lighting retrofit reflectors and kits. All work is limited to the fixture body, except remote located ballasts may be replaced or retrofitted with approved products. This specialty does not include installing new fixtures or branch circuits; moving or relocating existing fixtures; or altering existing branch circuits.
- (iii) **Residential maintenance (07B):** This specialty is limited to residential dwellings as defined in WAC 296-46-930(2)(a), multi-story dwelling structures with no commercial facilities, and the interior of dwelling units in multistory structures with commercial facilities. This specialty may maintain, repair, or replace (like-in-kind) existing lighting fixtures, hot water heaters, ranges, electric heaters, similar domestic appliances, and all permit exempted work as defined in WAC 296-46A-900(11).

This specialty is limited to equipment and circuits of 240 volts, 60 amperes, single phase maximum.

This specialty may disconnect and reconnect low voltage control and line voltage supply whips not over 6 feet in length provided there are no modifications to the characteristics of the branch circuit.

For the purpose of this specialty, "electrical equipment" does not include electrical conductors.

- (g) **Telecommunications (09):** Limited to the installation, maintenance, and testing of telecommunications systems, equipment, and associated hardware, pathway systems, and cable management systems. The scope of work includes:

- (i) Installation of open wiring systems of telecommunications cables.
- (ii) Surface nonmetallic raceways designated and used exclusively for telecommunications.
- (iii) Optical fiber innerduct raceway.
- (iv) Underground raceways designated and used exclusively for telecommunications and installed for additions or extensions to existing telecommunications systems not to exceed fifty feet inside the building.
- (v) Incidental short sections of circular or surface metal raceway, not to exceed ten feet, for access or protection of telecommunications cabling and installation of cable trays and ladder racks in telecommunications service entrance rooms, spaces, or closets.
- (vi) Audio or paging systems where the amplification is integrated into the telephone system equipment.

- (vii) Audio or paging systems where the amplification is provided by equipment listed as an accessory to the telephone system equipment and requires the telephone system for the audio or paging system to function.
- (viii) Closed circuit video monitoring systems if there is no integration of line or low-voltage controls for cameras and equipment. Remote controlled cameras and equipment are considered (intrusion) security systems and must be installed by licensed electrical contractors and certified electricians.

Telecommunications systems do not include horizontal cabling used for fire protection signaling systems, intrusion alarms, access control systems, patient monitoring systems, energy management control systems, industrial and automation control systems, HVAC/refrigeration control systems, lighting control systems, and stand-alone amplified sound or public address systems. Telecommunications systems may interface with other building signal systems including security, alarms, and energy management at cross-connection junctions within telecommunications closets or at extended points of demarcation. Telecommunications systems do not include the installation or termination of premises line voltage service, feeder, or branch circuit conductors or equipment. Horizontal cabling for a telecommunications outlet, necessary to interface with any of these systems outside of a telecommunications closet, is the work of the telecommunications contractor.

(h) Door, gate, and similar systems (10): Limited to the installation of:

- (i) This specialty may install, service, maintain, repair, or replace door/gate/similar systems electrical operator systems including:
 - (A) Low-voltage, NEC Class 2, door/gate/similar systems electrical operator systems where the door/gate/similar systems electrical operator system is not connected to other systems.
 - (B) Branch circuits originating in a listed door/gate/similar systems electric operator control panel that supplies only door/gate/similar systems system components providing: The branch circuit does not exceed 20 amperes or 600 volts and the component is within sight of the listed door/gate/similar systems electric operator control panel.
- (ii) Door/gate/similar systems electrical operator systems include electric gates, doors, windows, awnings, movable partitions, curtains and similar systems. These systems include, but are not limited to: Electric gate/door/similar systems operators, control push buttons, key switches, key pads, pull cords, air and electric treadle, air and electric sensing edges, coil cords, take-up reels, clocks, photo electric cells, loop detectors, motion detectors, remote radio and receivers, antenna, timers, lock-out switches, stand-alone release device with smoke detection, strobe light, annunciator, control panels, wiring and termination of conductors.
- (iii) Reconnection of line voltage power to a listed door/gate/similar systems electric operator control panel is permitted provided:
 - (A) There are no modifications to the characteristics of the branch circuit/feeder;
 - (B) The circuit/feeder does not exceed 20 amperes or 600 volts; and
 - (C) The conductor or conduit extending from the branch circuit/feeder disconnecting means or junction box does not exceed six feet in length.
- (iv) Wiring in classified locations as described in Chapter 5 NEC is excluded from this specialty. This specialty may not install, repair, or replace branch circuit (line voltage) conductors, services, feeders, panelboards, or disconnect switches supplying the door/gate/similar systems electric operator control panel.

- (3) Combination specialty contractor license. The department may issue a combination specialty contractor license to a firm that qualifies for more than one specialty contractor license. The assigned administrator must be certified in all specialties applicable to the combination specialty contractor license. The license will plainly indicate the specialty licenses included in the combination license. An administrator assigned to a telecommunications contractor must be certified as a telecommunications administrator.
- (4) Combination specialty administrator certificate. The department may issue a combination specialty administrator certificate to an individual who qualifies for more than one specialty administrators' certificate. The combination specialty administrators' certificate will plainly indicate the specialty administrators' certificate(s) the holder has qualified for.
- (5) A specialty electrical contractor, other than the (06) limited energy specialty electrical contractor, may only perform telecommunications work within the equipment or occupancy limitations of their specialty electrical contractor license and administrator certification. Any other telecommunications work requires a telecommunications contractor license and telecommunications administrator certification.

WAC 296-46A-931 Electrical/telecommunications contractor license.

- (1) The department will issue an electrical/telecommunications contractor license that will expire twenty-four months following the date of issue to a person, firm, partnership, corporation or other entity that complies with chapter 19.28 RCW. An electrical/telecommunications contractor license will not be issued to or renewed for a person, firm, or partnership unless the Social Security number, date of birth, and legal address of the individual legal owner(s) are submitted with the application. The department may issue an electrical/telecommunications contractor license for a period greater or less than twenty-four months for the purpose of equalizing the number of electrical contractor licenses that expire each month. The department will prorate the electrical/telecommunications contractor license fee according to the number of months in the license period.
- (2) The department may deny application or renewal of an electrical/telecommunications contractor's license if an owner, partner, or corporate officer owes outstanding final judgments to the department.

WAC 296-46A-932 Electrical/telecommunications contractor cash or securities deposit.

Cash or securities deposit release. A cash or security deposit which has been filed with the department in lieu of a surety bond, will not be released until one year after the date the electrical/telecommunications contractor notifies the department in writing, that the person, firm, partnership, corporation, or other entity who (which) has been issued the electrical/telecommunications contractor's license, has ceased to do business in the state of Washington.

WAC 296-46A-933 Telecommunications contractor insurance.

- (1) To obtain a telecommunications contractor's license the applicant must provide to the department an original certificate of insurance naming the department of labor and industries, electrical section as certificate holder. Insurance coverage must be no less than twenty thousand dollars for injury or damages to property, fifty thousand dollars for injury or damage including death to any one person, and one hundred thousand dollars for injury or damage including death to more than one person. The certificate of insurance must be issued as continuous until canceled. The insurance will be considered a continuing obligation unless canceled by the insurance company. The insurance company must notify the department in writing ten days prior to the effective date of said cancellation or failure to renew.
- (2) The telecommunications contractor may furnish to the department an assigned account to meet the insurance requirements in lieu of a certificate of insurance. An account assigned to

the department for insurance requirements will be held in place for three years after the contractor's license is expired, revoked, or the owner notifies the department in writing that the company is no longer doing business in the state of Washington as a telecommunications contractor. The account will be released by the department providing there is no pending legal action against the contractor.

WAC 296-46A-934 Electrical contractor exemptions.

- (1) Low voltage thermocouple derived circuits and low voltage circuits, powered from a listed Class 2 power supply(ies), for low voltage built-in residential vacuum systems, low voltage circuits for underground landscape sprinkler systems, low voltage circuits for underground landscape lighting, or low voltage circuits for residential garage doors are not included in the requirements for licensing in chapter 19.28 RCW, provided:
 - (a) Installation and termination of line voltage equipment and conductors supplying these systems is performed by appropriately licensed and certified electrical contractors and electricians.
 - (b) Conductors of these systems do not pass through fire-rated walls, fire-rated ceilings or fire-rated floors in other than residential units.

Electrical failure of these systems does not inherently or functionally compromise safety to life or property.

- (2) Firms who clean and/or replace lamps in lighting fixtures are not included in the requirements for licensing in chapter 19.28 RCW.
- (3) Firms who install listed factory assembled cord and plug connected equipment are not included in the requirements for licensing in chapter 19.28 RCW.

WAC 296-46A-935 Electrical utility exemptions.

- (1) Utility system exemption. Neither a serving electrical utility nor a contractor employed by the serving electrical utility is required to have a license for work on the "utility system" or on service connections or on meters and other apparatus or appliances used to measure the consumption of electricity.
- (2) Street lighting exemption. A serving electrical utility is not required to have a license to work on electrical equipment used in the lighting of streets, alleys, ways, or public areas or squares.
- (3) Customer-owned equipment exemption. A serving electrical utility is not required to have a license to work on electrical equipment owned by a commercial, industrial, or public institution customer if:
 - (a) The utility has not solicited such work; and
 - (b) Such equipment:
 - (i) Is located outside a building or structure; and
 - (ii) The work performed is on the primary side of the customer's transformer(s) which supplies power at the customer's utilization voltage.
- (4) Independent power production equipment exemption. A serving electrical utility is not required to have a license to work on electrical equipment owned by a customer that is an independent power producer if:
 - (a) The customer has entered into an agreement to sell electricity to a utility or to a third party; and
 - (b) The electrical equipment is used to transmit electricity from the terminals of an electrical generating unit located on premises used by the customer to the point of interconnection with the utility system.
- (5) Exempted equipment and installations. No person, firm, partnership, corporation, or other

entity is required to have a license for work on electrical equipment and installations thereof that are exempted by RCW 19.28.091 or 19.28.151.

(6) Exemption from inspection.

- (a) The work of a serving electrical utility and its contractors on the utility system is not subject to inspection. The utility is responsible for inspection and approval for the installation.
- (b) Work exempted by Article 90-2(B)(5) NEC, 1981 edition, is not subject to inspection.

WAC 296-46A-940 Manufacturers of electrical/telecommunications products exemptions.

- (1) Manufacturers of electrical/telecommunications systems products will be allowed to utilize their factory-trained personnel to perform initial calibration, testing, adjustment, modification incidental to the startup and checkout of the equipment, or replacement of components within the confines of the specific product, without permit or required licensing, provided:
 - (a) The product has not been previously energized or is within the manufacturer's warranty.
 - (b) Modifications, as designated above, must not include changes to the original intended configuration nor changes or contact with external field-connected components.
 - (c) The manufacturer will be responsible for obtaining any required reapproval/recertification from the original listing or field evaluation laboratory.
 - (d) The manufacturer must notify the department if reapproval/recertification is required.
- (2) No license under the provision of this chapter will be required from any manufacturer or any person, firm, partnership, or other entity employed by or authorized by a manufacturer of power generation equipment assemblies for the following work on premanufactured electric power generation equipment assemblies and control gear:
 - (a) Testing, repair, modification, maintenance, and installation of components internal to the transfer switch, or replacement of components within the confines of the specific product incidental to the startup and checkout of the equipment: Provided, the product has not been previously energized and/or is within the manufacturer's warranty. Modifications of the transfer switch must not include changes to the original intended configuration nor changes or contact with externally field-connected components. The manufacturer will be responsible for obtaining any required reapproval or recertification from the original listing agent;
 - (b) Testing, repair, modification, maintenance, or installation of components internal to the control gear;
 - (c) Testing, repair, modification, maintenance, or installation of components internal to the premanufactured power generation unit.

Premanufactured electric power generation equipment assemblies are made up of reciprocating internal combustion engines and the associated control gear equipment. Control gear equipment includes control logic, metering, and annunciation for the operation and the quality of power being generated by the reciprocating internal combustion engine and does not have the function of distribution of power.
 - (d) For the purposes of this subsection, the following work on premanufactured electric power generation equipment assemblies is not exempt from the requirements of chapter 19.28 RCW.
 - (i) Installation or connection of conduit or wiring between the power generation unit, transfer switch, control gear;
 - (ii) Installation of the transfer switch;
 - (iii) Connections between the power generation unit, transfer switch, control gear,

- and utility's transmission or distribution systems;
- (iv) Connections between the power generation unit, transfer switch, control gear, and any building or structure;
- (v) Test connections with any part of:
 - (A) The utility's transmission or distribution system;
 - (B) The building or structure.
- (3) Nothing in this section will alter or amend any other exemptions from or requirement for licensure under this chapter.

WAC 296-46A-950 Administrator certificate.

- (1) The department must issue an administrator certificate to a person who qualifies for a certificate in accordance with chapter 19.28 RCW and makes proper application that includes the person's Social Security number, date of birth, and mailing address. The first certificate issued will expire on the person's birthdate at least one year and not more than three years from the date of issue. If a person was born in an even numbered year, the certificate will expire on the holder's even numbered birthdate. If the person was born in an odd numbered year, the certificate will expire on the holder's odd numbered birthdate. The department will prorate the administrator's certificate fee according to the number of months or major portions of months in a certificate period. All subsequent certificates will be issued for a twenty-four month period.
- (2) The department may deny application or renewal of an administrator's certificate if the individual owes outstanding final judgments to the department.
- (3) Effective July 1, 1987, an administrator designated on the electrical/telecommunications contractor's license must be a member of the firm who fulfills the duties of a full-time supervisory employee, or be a full-time supervisory employee. In determining whether the person is a member of the firm, the department will require that the person is named as the sole proprietor, a partner or an officer in a corporation as shown on the electrical contractor's license application on file with the department and the secretary of state. In determining whether a person is a full-time supervisory employee, the department will consider whether the person is on the electrical/telecommunications contractor's full-time payroll; receives a regular salary or wage similar to other employees; has supervisory responsibility for work performed by the electrical/telecommunications contractor and carries out the duties shown in chapter 19.28 RCW.
- (4) A firm may designate certain temporary specialty administrator(s) or telecommunications initial specialty administrator(s) to satisfy the requirements of chapter 19.28 RCW under the guidelines described in Table 950-1—Temporary Specialty Administrator Application/Enforcement Procedure.
- (5) The department may deny an application for an administrator's certificate for up to two years if the applicant's previous administrator's certificate has been revoked or suspended for serious noncompliance, as defined in WAC 296-46A-960.

Table 950-1—Temporary Specialty Administrator Application/Enforcement Procedure

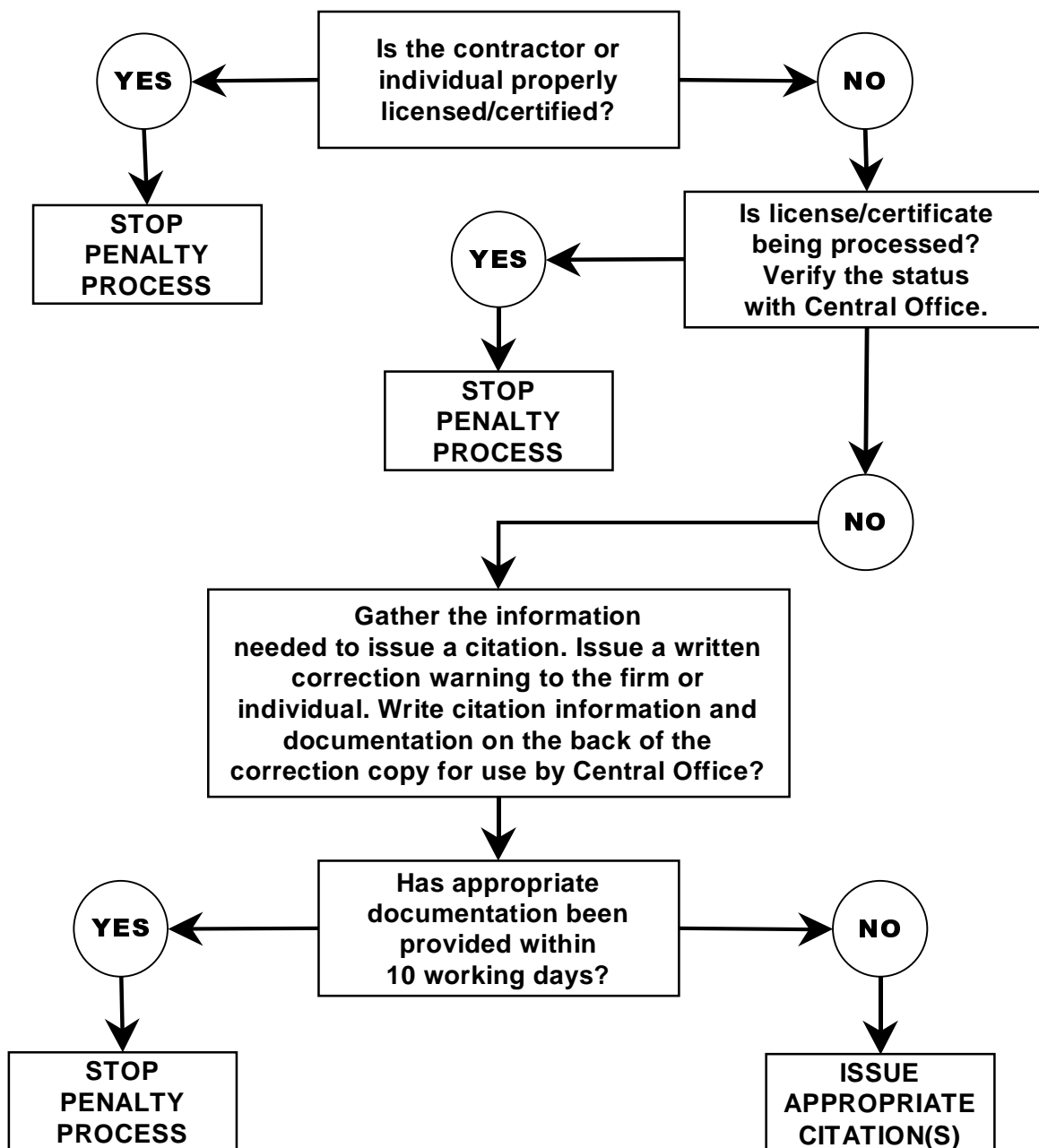
SPECIALTIES OPEN FOR CREDIT FOR PREVIOUS WORK EXPERIENCE

ACTION DEADLINES AND DETAILS	HVAC/Refrigeration (06A)	<ul style="list-style-type: none"> • Domestic well (03A), • Limited energy (06)-(residential sound only), • Nonresidential maintenance (07), • Nonresidential lighting maintenance (07A), • Residential maintenance (New-07B), • Door, window, gate and similar systems (New-10) 	Telecommunications (09) <ul style="list-style-type: none"> • In business on June 8, 2000 ^{STATUS A} • In business after June 8, 2000 ^{STATUS B}
Last date to submit application for temporary administrator ¹	December 31, 2001 ⁵	December 31, 2001 ⁵	December 31, 2001 ⁵
Required business status in the contracting specialty ²	18.27 RCW Contractor Registration or Appropriate Business License	18.27 RCW Contractor Registration or Appropriate Business License	^{STATUS A} —18.27 RCW Contractor Registration ^{STATUS B} —Appropriate Business License
Minimum previous experience for firm making temporary designation	N/A	N/A	^{STATUS A} —2 Years ⁶ ^{STATUS B} —N/A
Begin interim enforcement ⁴	July 1, 2000	July 1, 2001	January 19, 2001
Begin full enforcement	January 1, 2002	January 1, 2002	July 1, 2001
Must pass specialty administrator examination no later than:	12 Months After Submitting Temporary Specialty Administrator Application ³	12 Months After Submitting Temporary Specialty Administrator Application ³	^{STATUS A} —N/A ¹ ^{STATUS B} —12 Months After Submitting Temporary Specialty Administrator Application ³

Notes:

1. The initial telecommunications designated administrator(s) allowed in RCW 19.28.420(6) is not required to pass an examination.
2. If previous experience is required, it must be full-time in the appropriate specialty.
3. No extension of the temporary specialty administrator's status will be permitted unless the examination is successfully completed and a permanent specialty administrator's certificate is obtained within three months of the examination date. A temporary specialty administrator certificate cannot be renewed or extended.
4. See Figure 1. If a citation is issued for failure to comply with the requirements of chapter 19.28 RCW or WAC 296-46A, the individual/firm will lose the ability to assign a temporary administrator prior to examination.
5. To qualify for a temporary specialty administrator certificate or telecommunications initial designated specialty administrator certificate, the following must be submitted to the department: complete contractor's application package, complete administrator's application and examination package, complete Transfer of Administrator form, and all appropriate fees.
6. No requirement for the **owner** of a telecommunications firm described in RCW 19.28.420(6)(a).

Figure 1
ELECTRICAL SPECIALTY
Interim Licensing/Certification Requirements



WAC 296-46A-960 Revocation or suspension of an electrical/telecommunications contractor's license or administrator's certificate.

The department has the ability, in the case of one or more acts of serious noncompliance with the provisions of this chapter, to revoke or suspend for such a period as it determines, any electrical/telecommunications contractor's license or electrical/telecommunications administrator's certificate issued under chapter 19.28 RCW.

Serious noncompliance: Serious noncompliance with the provisions of chapter 19.28 RCW, includes but is not limited to the following:

- (1) Failure to correct a serious violation. A serious violation is a violation of chapter 19.28 RCW, chapter 296-46A or 296-401B WAC that creates a hazard of fire or a danger to life safety. A serious violation is also a violation that presents imminent danger to the public. Imminent danger to the public is present when installations of wire and equipment that convey electric current have been installed in such a condition that a fire-hazard or a life-safety hazard is present. Imminent danger to the public is also present when unqualified, uncertified, or fraudulently certified electricians or administrators; or unlicensed or fraudulently licensed contractors are continuously or repeatedly performing or supervising the performance of electrical work covered under chapter 19.28 RCW. For the purposes of this section, a certified electrician is considered qualified, provided the electrician is working within his or her certification; or
- (2) Submitting a fraudulent document to the department; or
- (3) Continuous noncompliance with the provisions of chapter 19.28 RCW, chapter 296-46A or 296-401B WAC. For the purposes of this section, continuous noncompliance will be defined as three or more citations demonstrating a reckless disregard of the electrical law, rules, or regulations within a period of one year; or where it can be otherwise demonstrated that the contractor or administrator has continuously failed to comply with the applicable electrical standards; or
- (4) Failure to make any books or records, or certified copies thereof, available to the department for an audit to verify the hours of experience submitted by an electrical trainee; or
- (5) A person who knowingly makes a false statement or material misrepresentation on an application, statement of hours, or signed statement required by the department may be referred to the county prosecutor for criminal prosecution under chapter 9A.72 RCW. The department may also file a civil action under chapter 19.28 RCW.

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Chapter 296-401B WAC

CERTIFICATION OF COMPETENCY FOR JOURNEYMAN ELECTRICIANS

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JOURNEYMAN AND SPECIALTY ELECTRICIANS CERTIFICATES

WAC 296-401B-092 General definitions.

"Final judgment" means any money that is owed to the department under this chapter or any money that is owed the department as a result of an individual's or contractor's unsuccessful appeal of an infraction. Final judgment also includes any penalties owed the department as a result of an infraction not appealed or any outstanding fees due under this chapter.

WAC 296-401B-100 Certificate of competency required.

To work in the electrical construction trade, an individual must:

- (1) Possess a current journeyman electrician certificate of competency issued by the department;
- (2) Possess a current specialty electrician certificate of competency issued by the department;
- (3) Possess a valid electrician temporary permit; or
- (4) Possess a current electrical training certificate, learning the trade under the supervision of a certified journeyman electrician or certified specialty electrician working in their specialty in the proper ratio.

WAC 296-401B-110 Original journeyman and specialty electrician certificates of competency.

- (1) The department of labor and industries will issue an original electrician certificate of competency to journeyman or specialty electricians that:
 - (a) Meet the eligibility requirements listed in RCW 19.28.191 (Certificate of competency - Eligibility for examination-Rules); and
 - (b) Successfully pass a certification examination required by RCW 19.28.201, (Examination – Contents – Times-Fees-Certification of results); and
 - (c) Pay the original certificate fee listed in WAC 296-401B-700; and
 - (d) Submit a complete application including: date of birth, mailing address, Social Security number.
- (2) An individual's initial electrician certificate of competency will expire on their birth date at least two years, and not more than three years, from the date of original issue.
- (3) The scope of work for general journeyman electricians and all electrical specialty electricians is described in WAC 296-46A-930.
- (4) The department issues certificates of competency in the following areas of electrical work:
 - (a) General journeyman electrician certificate (01).
 - (b) Specialty electricians:
 - (i) Residential certificate (02).
 - (ii) Pump and irrigation certificate (03).
 - (iii) Domestic well specialty electrical technician certificate (03A).

- (iv) Signs and outline lighting certificate (04).
- (v) Domestic appliance certificate (05).
- (vi) Limited energy system certificate (06).
- (vii) HVAC/refrigeration limited energy technician (06A). HVAC/refrigeration thermostat installation (see WAC 296-401B-340(2)):
 - (A) HVAC/refrigeration first- and second-year trainees may work unsupervised when installing HVAC thermostat cable when the system consists of a single thermostat in one- and two-family dwelling units and where line voltage power is not connected to the system.
 - (B) HVAC/refrigeration second-year trainees may work unsupervised when installing thermostats or making thermostat cable connections in one- and two-family dwelling units.
- (viii) Nonresidential maintenance certificate (07).
- (ix) Nonresidential lighting maintenance and lighting retrofit technician (07A).
- (x) Residential maintenance certificate (07B),
- (xi) Door, window, gate, and similar systems certificate (10)

WAC 296-401B-120 Linemen Exemptions.

- (1) Electrical linemen employed by a serving electrical utility or employed by a licensed electrical contractor while performing work found in WAC 296-46A-935, do not need certificates of competency.
- (2) An individual is eligible for the above lineman's exemption if the individual carries evidence on their person that they:
 - (a) Have graduated from a department of labor and industries approved lineman's apprenticeship course; or
 - (b) Are currently registered in a department of labor and industries approved lineman's apprenticeship course and are working under the direct supervision of a journeyman electrician or a graduate of a lineman's apprenticeship course approved by the department. The training received in the lineman's apprenticeship program must include training in applicable articles of the currently adopted National Electrical Code (See WAC 296-46A-090).

RENEWAL OF JOURNEYMAN AND SPECIALTY ELECTRICIANS CERTIFICATES

WAC 296-401B-130 Renewal of journeyman and specialty electrician certificates of competency.

- (1) An individual must apply for renewal of their journeyman or specialty electrician certificate of competency before the expiration date of the certificate. Renewed certificates are valid for three years.
- (2) Beginning April 30, 1997, an individual must:
 - (a) Pay the renewal fee listed in WAC 296-401B-700; and
 - (b) Provide accurate evidence on the renewal form that the individual has completed at least eight hours of approved continuing education required for each year of the prior certification period (see WAC 296-401B-630 and WAC 296-401B-640 for other

continuing education documentation requirements). Any portion of a year is equal to one year for continuing education requirements.

- (3) An individual will not be given credit for the same approved continuing education course taken more than once in the three years prior to the renewal date.
- (4) If an individual is applying to renew a certificate that covered a period of two years or more, the individual must complete an approved continuing education class, of at least eight hours duration, on the latest National Electric Code changes.
- (5) An individual must pay all outstanding final judgements owed to the department before renewal of a certificate of competency.
- (6) A certificate of competency that has been suspended by the department may be:
 - (a) Renewed by the holder obtaining and submitting the required hours of continuing education and will remain in suspended status for the duration of the suspension, or
 - (b) Renewed by the holder without the required hours of continuing education and will remain in suspended status for the duration of the suspension. Following the suspension, the certificate will be placed in inactive status as described in WAC 296-401B-180 until the required continuing education requirements are met and documented to the department of labor and industries.

WAC 296-401B-140 Late renewal of journeyman and specialty electrician certificates of competency.

- (1) An individual may renew their certificate of competency within ninety days after the expiration date without reexamination if the individual:
 - (a) Pays the late renewal fee listed in WAC 296-401B-700; and
 - (b) Provides evidence to the department that the individual completed at least eight hours of continuing education each year during the prior certification period.
- (2) All applications for renewal received more than ninety days after the expiration date of the certificate require that you pass the appropriate competency examination before being recertified.

CONTINUING EDUCATION REQUIREMENTS

WAC 296-401B-180 Inactive status.

- (1) If an individual has not completed the required hours of continuing education (see WAC 296-401B-130), a certificate cannot be renewed. If the individual has not completed the required continuing education, applies for renewal before the certificate expires, and pays the appropriate renewal fee listed in WAC 296-401B-700 the certificate will be placed in an inactive status. When the certificate of competency is placed in inactive status, the individual cannot work as a journeyman or specialty electrician in the electrical construction trade until evidence is provided that the individual has completed the required hours of continuing education.
- (2) An individual may obtain an electrical training certificate and work under the supervision of a certified journeyman or certified specialty electrician working in their specialty until the individual attains and documents the required hours of continuing education.

ELECTRICIAN TEMPORARY PERMITS

WAC 296-401B-200 Qualifying for an electrician temporary permit to work in Washington when certified in another state.

- (1) If an individual coming into the state of Washington to work in the electrical construction trade is certified in another jurisdiction, the department can issue the individual one initial electrician temporary permit in lieu of a certificate of competency. The initial electrician temporary permit allows the individual to work as an electrician between the date of filing a completed application for the next certification examination and notification of the results of the examination. This initial permit will be issued for no longer than one one hundred twenty-day period. (During this period, the department expects the individual to take and pass the next available certification examination.)
 - (a) To qualify for an initial electrician temporary permit an individual must:
 - (i) Meet the eligibility requirements of RCW 19.28.191 (Certificate of Competency – Eligibility for examination – Rules); and
 - (ii) Be currently certified by a governing authority from another state, city, town or other certifying authority; and
 - (iii) File a complete application to take the next certification examination.
 - (b) An individual will not be issued an initial electrician temporary permit if they:
 - (i) Have previously been issued an initial electrician temporary permit; or
 - (ii) Have an expired or inactive Washington state journeyman electrician certificate or specialty certificate in the category requested on the exam.
 - (c) An initial electrician temporary permit will become invalid:
 - (i) On the expiration date listed on the electrician temporary permit or the date the individual is notified they have failed the examination, whichever is earlier;
 - (ii) If the individual does not take the next competency examination; or
 - (iii) Fails to file all necessary or corrected paperwork required to verify eligibility by the department's published application cut-off date and therefore cannot take the next examination.
 - (d) If the individual fails the certification examination and provides verification of enrollment in an approved journeyman refresher course or approved appropriate specialty electrician refresher course, as prescribed in RCW 19.28.231, application may be made for a second electrician temporary permit.
 - (i) The second electrician temporary permit will be issued for one ninety-day period after the date of the failed examination and will become invalid:
 - (A) If the individual does not take the next competency examination after completion of the journeyman refresher course;
 - (B) If the individual fails to file all the necessary or corrected paperwork to verify eligibility by the department's published application cut-off date and therefore cannot take the next examination; or
 - (C) On the expiration date listed on the second electrician temporary permit or the date the individual is notified of having failed the examination, whichever is earlier.
 - (ii) If the second electrician temporary permit becomes invalid, it will not be extended or renewed. To continue to work in the electrical trade, the individual must apply for and receive a training certificate and work under the direct

supervision of either a certified journeyman or a specialty electrician working in the appropriate specialty in the proper ratio.

(iii) A second electrician temporary permit may not be extended or renewed.

(e) Except as described in (d) above, if an electrician temporary permit becomes invalid it will not be extended or renewed. To continue to work in the electrical trade, an individual must:

(i) Apply for and receive a training certificate; and

(ii) Work under the direct supervision of either a certified journeyman or a specialty electrician working in their specialty; and

(iii) Work in the proper ratio.

RECIPROCAL AGREEMENTS

WAC 296-401B-250 Reciprocal agreements between Washington and other states.

The department of labor and industries negotiates agreements with states that have equivalent requirements for certification and licensing of journeyman or specialty electricians. These agreements allow electricians from those states to become certified in the state of Washington without examination and allow Washington certified electricians to become certified in the other states without taking competency examinations. To find out if a state has a reciprocal agreement with the department, contact the electrical section at a department of labor and industries office.

WAC 296-401B-260 Qualifying for a reciprocal electrician certificate.

An individual coming into the state of Washington from another state will be issued a reciprocal electrician certificate of competency if the following conditions are met:

- (1) The department has a valid reciprocal agreement with the other state in the journeyman or specialty category requested;
- (2) The individual makes a complete application for the reciprocity certificate on the form provided by the department;
- (3) The individual provides evidence that they meet the eligibility requirements listed in RCW 19.28.191, (Certificate of competency-Eligibility for examination-Rules) by presenting a valid journeyman or specialty electrician certificate or certified letter from the issuing state;
- (4) The individual obtained this certificate of competency as a journeyman or specialty electrician in the other state by examination;
- (5) The individual was not a resident of the state of Washington at the time the examination in the other state was taken; and
- (6) The individual pays the reciprocity fee listed in WAC 296-401B-700.

WAC 296-401B-270 Ineligibility for reciprocal electrician certificate.

An individual is not eligible for a reciprocal electrician certificate if the individual has:

- (1) Failed to renew a certificate of competency as required in RCW 19.28.211, (Certificate of competency-Issuance-Renewal-Continuing education-Fees-Effect.); or
- (2) A Washington certificate of competency in suspended, revoked, or inactive status under this chapter.

TRAINING CERTIFICATES

WAC 296-401B-300 Training certificate required.

A training certificate is required to work in the electrical construction trade if an individual does not:

- (1) Possess a current journeyman electrician certificate of competency issued by the department;
or
- (2) Possess a current specialty electrician certificate of competency issued by the department; or
- (3) Possess a valid electrician temporary permit.

WAC 296-401B-310 Ineligibility for electrical training certificates.

Trainees who have had their training certificates revoked or suspended (for the duration of the revocation or suspension) and trainees owing a final judgment to the department may not be issued another training certificate.

WAC 296-401B-320 Training certificate levels.

Training Certificate	Total Hours Worked
1st year	0 through 1,999
2nd year	2,000 through 3,999
3rd year	4,000 through 5,999
4th year	6,000 or more

An individual may apply for the next year's certificate whenever sufficient hours have been worked. Two thousand (2,000) hours is equal to one year of employment.

Note: The department may verify the hours submitted with any training certificate application.

WAC 296-401B-330 Renewal of training certificates.

- (1) When renewing an electrical training certificate, the individual must give the department a completed, signed, and notarized affidavit of experience accurately attesting to:
 - (a) The electrical installation work performed for each employer the individual worked for in the electrical trade during the previous year;
 - (b) The correct electrical category the individual worked in; and
 - (c) The actual number of hours worked in each category worked under the proper supervision of a Washington certified, journeyman electrician or appropriate specialty electrician.
- (2) If an individual is enrolled in an approved apprenticeship program under chapter 49.04 RCW when the individual renews an electrical training certificate, the individual and their apprenticeship training director must give the department a completed, signed, and notarized affidavit of experience accurately attesting to:
 - (a) The electrical installation work the individual performed in the electrical trade during the previous year;
 - (b) The correct electrical category the individual worked in; and
 - (c) The actual number of hours worked in each category under the proper supervision of a Washington certified journeyman electrician or appropriate specialty electrician for each employer. For apprentices enrolled in a registered apprenticeship program, the

applicant and the training director are the only authorized signatures the department will accept on affidavits of experience.

- (3) The individual should ask each employer or apprenticeship training director for an accurately completed, signed, and notarized affidavit of experience for the previous year. The employers or apprenticeship training directors must provide the previous year's affidavit of experience to the individual within twenty days of the request.
- (4) The individual and their employer or apprenticeship training director must sign and notarize the affidavit of experience attesting to the accuracy of all information contained in the document.

WAC 296-401B-335 Credit for electrical work experience exempt from certification requirements.

- (1) To receive credit for electrical work experience which is exempted in RCW 19.28.261, an individual must provide the department with verification from the employer or owner according to WAC 296-401B-330.
- (2) Beginning January 1, 1998, all exempt individuals learning the electrical trade must obtain an electrical certificate from the department and renew it annually in order to receive credit for hours worked in the trade according to WAC 296-401B-330.
- (3) The department may require verification of supervision in the proper ratio from the certified supervising electrician.
- (4) Telecommunication work experience:
 - (a) Credit may be authorized only by exempt employers (per RCW 19.28.261), general electrical (01) contractors, and limited energy system (06) electrical contractors for limited energy experience for telecommunications work done:
 - (i) Under the supervision of a certified journeyman or limited energy electrician; and
 - (ii) In compliance with RCW 19.28.191.
 - (b) Individuals who want to obtain credit for hours of experience towards electrician certification for work experience doing telecommunications installations must:
 - (i) Obtain an electrical training certificate;
 - (ii) Renew the training certificate annually in order to receive credit for hours worked in the trade according to WAC 296-401B-330.
 - (c) Telecommunications contractors may not verify telecommunications work experience towards electrician certification.

WAC 296-401B-340 Trainees working without supervision.

- (1) After review by the department, a trainee may be issued a six-month, nonrenewable unsupervised electrical training certificate that will allow the individual to work without supervision if the trainee:
 - (a) Has submitted a complete application for an unsupervised electrical training certificate;
 - (b) Has worked over 7,000 hours properly supervised;
 - (c) Has successfully completed or is currently enrolled in an approved apprenticeship program or an electrical construction trade program in a school approved by the board of community and technical colleges;
 - (d) Has paid all appropriate training certificate fees listed in WAC 296-401B-700; and
 - (e) Is currently working for and continues to work for a licensed electrical contractor that

employs at least one certified journeyman or specialty electrician in the appropriate specialty.

- (2) HVAC/refrigeration limited energy technician trainees may work unsupervised when doing HVAC/refrigeration thermostat installation as follows:
 - (a) HVAC/refrigeration first- and second-year trainees may work unsupervised when installing HVAC thermostat cable when the system consists of a single thermostat in one- and two-family dwelling units where line voltage power is not connected to the system.
 - (b) HVAC/refrigeration second year trainees may work unsupervised when installing thermostats or making thermostat cable connections in one- and two-family dwelling units.
- (3) Individuals credited with a minimum of two years previous work experience training credit per WAC 296-401B-455(2) will qualify for a third-year training certificate in the specialty listed in WAC 296-401B-455(1)(c) and will be considered temporarily, until June 30, 2002, to be a specialty electrician/technician for the purposes of working within the scope of the appropriate specialty without supervision and for the purpose of supervising first and second year trainees in proper ratio.
- (4) Individuals credited with a minimum of two years previous work experience training credit per WAC 296-401B-455(2) will qualify for a third year training certificate in the appropriate specialty, listed in WAC 296-401B-455(1)(a), (b), (d), (e), (f), or (g) and will be considered temporarily, until June 30, 2002, to be a specialty electrician/technician for the purposes of working within the scope of the appropriate specialty without supervision and for the purpose of supervising first and second year trainees in proper ratio.
- (5) A third-year training certificate issued per (3) or (4) above will be revoked if the individual does not successfully complete the appropriate specialty examination before June 30, 2002, for the appropriate specialty, listed in WAC 296-401B-455 (1)(a), (b), (c), (d), (e), (f), or (g). The individual may then apply for a second year trainee certificate and must:
 - (a) Work under the direct supervision of a certified specialty electrician or journeyman electrician;
 - (b) Not supervise trainees; and
 - (c) Be supervised in the correct ratio.

WAC 296-401B-350 Audit of trainee hours.

- (1) The department, based upon RCW 19.28.171 (Electrical trainee hours – Audit – Rules – Confidentiality), may audit the employment records of the electrical contractor or employer who verified the electrical trainee hours. The time period covered by an audit may be less than one year but will not exceed five years from the date each affidavit verifying trainee hours is submitted.
- (2) Every employer or contractor must keep a record of trainee employment so the department may obtain the information it needs to verify electrical trainee work experience. Upon the request of the department's auditors or agents, these records must be made available to the department for inspection within seven business days.
- (3) An employer or contractor must maintain time cards or similar records to verify the:
 - (a) Number of hours the trainee worked as a supervised trainee; and
 - (b) The type of electrical work the trainee performed.
- (4) Any information obtained from the trainee's contractor or employer during the audit under the provisions of RCW 19.28.171 is confidential and is not open to public inspection under chapter 42.17 RCW.

- (5) The department's audit may include, but will not be limited to, the following:
- (a) An audit to determine whether the trainee was employed by the contractor or employer during the period for which the hours were submitted, the actual number of hours the trainee worked, and the category of electrical work performed; and
 - (b) An audit covering a specific time period and examining a contractor's or employer's books and records which may include their reporting of the trainee's payroll hours required for industrial insurance, employment security or prevailing wage purposes.

JOURNEYMAN ELECTRICIAN EXAMS

WAC 296-401B-410 Qualifying for the journeyman electrician competency examination.

- (1) An individual may take the journeyman electrician's competency examination if the individual held a current electrical training certificate and has worked for an employer who employs at least one certified journeyman or specialty electrician on staff while the individual:
 - (a) Has been employed, in the electrical construction trade, under the direct supervision of a journeyman electrician in the proper ratio for four years (8,000 hours) of which two years must be in industrial and/or commercial electrical installation (excluding work described for specialty electricians or technicians) and not more than a total of two years in all specialties; or
 - (b) Has completed a four-year apprenticeship program in the electrical construction trade that is registered with the state apprenticeship council while working under the direct supervision of a journeyman electrician in the proper ratio; or
 - (c) Has completed a two-year electrical construction program as described in RCW 19.28.191, (Certificate of competency-Eligibility for examination-Rules), and two years of work experience in industrial or commercial electrical installations (excluding work described for specialty electricians or electrical technicians) under the direct supervision of a journeyman electrician in the proper ratio.
- (2) The applicant and their employer or apprenticeship training director must attest to the accuracy of all information contained on the affidavits of experience used to verify eligibility for the journeyman examination. All the requirements of WAC 296-401B-330 must be met when submitting affidavits of experience.

WAC 296-401B-420 Qualifying for the journeyman electrician competency examination when work was performed in another state when certified.

An individual may take the journeyman electrician's competency examination when the appropriate authority having state certifies to the department that:

- (1) The work was legally performed under their licensing and certification requirements;
- (2) The work consisted of at least four years (8,000 hours) of electrical installation training of which two years must be in industrial or commercial electrical installations (excluding work described for specialty electricians or electrical technicians);
- (3) The work consisted of not more than a total of two years in all specialties; and
- (4) The other state's certificate was obtained by examination.

WAC 296-401B-430 Qualifying for the journeyman electrician competency examination when work was performed in another jurisdiction when not certified.

- (1) An individual may take the journeyman electrician's competency examination when an

appropriately licensed electrical contractor files a notarized affidavit of experience with the department accompanied by payroll documentation and certifying:

- (a) The individual's training consisted of at least four years (8,000 hours) of electrical installation training of which two years must be in industrial or commercial electrical installations (excluding work described for specialty electricians or technicians); and
 - (b) The work consisted of not more than a total of two years in all specialties.
- (2) The individual and their employer must attest to the accuracy of all information contained on the affidavits of experience used to verify eligibility for the journeyman examination.

WAC 296-401B-440 Experience in another country.

- (1) If an individual has a journeyman electrician certificate from a country outside of the United States that requires at least four years of electrical construction training, the individual will be eligible for two years credit toward a journeyman certificate. No more than two years of the required training may be for work described for specialty electricians or technicians. Credit is not allowed towards a specialty electrician certificate.
- (2) The individual must also obtain an electrical training certificate and take two additional years training in the United States under the direct supervision of a journeyman electrician in the proper ratio in industrial or commercial electrical installations (excluding work described for specialty electricians or electrical technicians) to qualify for the journeyman's competency examination.

WAC 296-401B-445 Military Experience.

If an individual who has worked a minimum of four or more years in the electrical construction trade performing work described in WAC 296-401B-410 while serving in the Armed Forces of the United States may be eligible to take the examination for the certificate of competency as a journeyman electrician. Nuclear, marine, radar, weapons, electronics, or aeronautical experience is not acceptable.

SPECIALTY ELECTRICIAN EXAMS

WAC 296-401B-450 Qualifying for the specialty electrician competency examination.

- (1) An individual may take the specialty electrician's competency examination if the individual held a current electrical training certificate and has worked for an employer who employs at least one certified journeyman or specialty electrician on staff while the individual:
 - (a) Has been employed, in the electrical construction trade, under the direct supervision of a journeyman electrician for two years (4,000 hours) in the appropriate specialty; or
 - (b) Has completed an appropriate two-year apprenticeship program in the electrical construction trade that is registered with the state apprenticeship council while working under the direct supervision of a journeyman electrician or an appropriate specialty electrician in the proper ratio; or
- (2) The applicant and their employer or apprenticeship training director must attest to the accuracy of all information contained on affidavits of experience used to verify eligibility for the journeyman examination. All the requirements of WAC 296-401B-330 must be met when submitting affidavits of experience.

WAC 296-401B-455 Opportunity for gaining credit for previous work experience in certain specialties.

- (1) The following specialties have an opportunity under the following provisions, to apply previous experience towards electrical training credit:
 - (a) Domestic well specialty electrical technician (03A)
 - (b) Limited energy (06) - Stand alone amplified sound (RESIDENTIAL ONLY)
 - (c) HVAC/refrigeration limited energy technician (06A)
 - (d) Nonresidential maintenance (07)
 - (e) Nonresidential lighting maintenance and lighting retrofit (07A)
 - (f) Residential maintenance (07B)
 - (g) Door, window, gate, and similar systems (10)
- (2) To qualify previous work experience training credit toward eligibility for any of the specialty certificate examination(s) in (1) of this section, an individual must:
 - (a) Make application on or before December 31, 2001, for an electrical training certificate and pay the proper fees to the department; and
 - (b) Provide proof on or before December 31, 2001, to the department with a notarized verification letter from the individual's employer(s) documenting:
 - (i) That the individual performed electrical installation in the appropriate specialty and was employed full time in the business of electrical installation by a firm in the appropriate specialty; and
- (3) Previous work experience training credit will be allowed only for work experience gained: Prior to June 30, 2001, in specialties listed in subsection (1)(a), (b), (c), (d), (e), (f), or (g) of this section; or
- (4) Work experience gained on or after June 30, 2001, in specialties listed in subsection (1)(a), (b), (d), (e), (f), or (g) of this section or on or after September 30, 2000, in specialty listed in subsection (1)(c) of this section, will be credited only if the applicant possessed a valid training certificate during the time worked and met all requirements of chapter 19.28 RCW and this chapter.
- (5) Coincidental previous work experience credit gained using (2), (3), or (4) above will not be allowed for the same time periods for multiple specialties.
- (6) Individuals credited with less than two years previous work experience training credit may use approved previous work experience credit when applying for the appropriate electrical training certificate.
- (7) Previous work experience obtained through (2), (3), or (4) above will not be applicable towards journeyman certification until the trainee successfully completes the specialty certification examination that the previous work experience allowed.

WAC 296-401B-460 Qualifying for the specialty electrician competency examination when work was performed in another state when certified.

An individual may take the specialty electrician's competency examination when the appropriate authority having state certifies to the department that:

- (1) The work was legally performed under their licensing and certification requirements;
- (2) The work consisted of at least two years (4,000 hours) of electrical installation in the appropriate specialty; and
- (3) The other state's certificate was obtained by examination.

WAC 296-401B-470 Qualifying for the specialty electrician competency examination when work was performed in another jurisdiction when not certified.

- (1) An individual may take the specialty electrician's competency examination when an appropriately licensed electrical contractor files a notarized affidavit of experience with the department accompanied by payroll documentation and certifying:
 - (a) The individual's training consisted of at least two years (4,000 hours) of electrical installation; and
 - (b) The work was performed in the appropriate specialty.
- (2) The individual and their employer must attest to the accuracy of all information contained on the affidavits of experience used to verify eligibility for the specialty examination.

WAC 296-401B-475 Experience in another country.

Experience gained in another country is not allowed towards a specialty electrician certificate.

WAC 296-401B-476 Military Experience.

- (1) If an individual has two or more years training of experience in a specialized electrical field in the Armed Forces of the United States that is similar to a specialty electrician category listed in WAC 296-401B-110(4) one year credit may be allowed toward an appropriate specialty certificate. Nuclear, marine, radar, weapons, electronics, or aeronautical experience is not acceptable.
- (2) The individual must also work one additional nonmilitary year in the appropriate specialty under the direct supervision of a journeyman or specialty electrician to qualify for the specialty electrician's competency examination.

ELECTRICIAN COMPETENCY EXAMS

WAC 296-401B-500 Failing a competency examination.

- (1) Anyone failing a competency examination may retake the examination by making arrangements with the testing agency and paying the retesting fee listed in WAC 296-401B-700.
- (2) Anyone failing a competency examination may continue to work in the electrical trade if they have a valid electrical training certificate and work under the direct supervision of a certified journeyman or specialty electrician in the proper ratio.

JOURNEYMAN AND SPECIALTY ELECTRICIAN EXAM CONTENTS

WAC 296-401B-510 Subjects included in the journeyman electrician competency examinations.

The following subjects are among those that may be included in the examination for a certificate of competency. The list is not exclusive. The examination may also contain subjects not on the list.

For journeyman electricians:

AC—Generator; three-phase; meters; characteristics of; power in AC circuits (power factor); mathematics of AC circuits.
Air conditioning—Basic.
Blueprints—Surveys and plot plans; floor plans; service and feeders;

electrical symbols; elevation views; plan views.
 Building wire—Sizes.
 Cable trays.
 Calculations.
 Capacitive reactance.
 Capacitor—Types; in series and parallel.
 Circuits—Series; parallel; combination; basic; branch; outside branch circuits; calculations.
 Conductor—Voltage drop (line loss); grounded.
 Conduit—Wiring methods.
 DC—Generator; motors; construction of motors; meters.
 Definitions.
 Electrical units.
 Electron theory.
 Fastening devices.
 Fire alarms—Introduction to; initiating circuits.
 Fuses.
 Generation—Principles of.
 Grounding.
 Incandescent lights.
 Inductance—Introduction to; reactance.
 Insulation—Of wire.
 Mathematics—Square root; vectors; figuring percentages.
 Motors—Motors vs. generators/CEMF; single phase; capacitor; repulsion; shaded pole; basic principles of AC motors.
 Ohms Law.
 Power.
 Power factor—AC circuits; correction of; problems.
 Rectifiers.
 Resistance—Of wire.
 Rigging.
 Safety—Electrical shock.
 Services.
 Three-wire system.
 Tools.
 Transformers—Principles of; types; single phase; three-phase connections.
 Voltage polarity across a load.
 Wiring methods—Conduit; general.
 Wiring systems—Less than 600 volts; 480/277 volts; three-phase delta or wye; distribution systems over 600 volts.

Note: Journeyman electrician examinations may also include the subjects listed below for specialty electrician examinations.

WAC 296-401B-520 Subjects included in the specialty electrician competency examinations.

The following subjects are among those that may be included in the examination for a certificate of competency. Examination subjects are restricted to those subjects related to the scope of work of the specialty described in WAC 296-46A-930. The list is not exclusive. The examination may also contain subjects not on the list.

For specialty electricians:

AC—Meters.
 Appliance circuits or controls.
 Blueprints—Floor plans; service and feeders.

Cables—Wiring methods.
Calculations.
Circuits—Series; parallel; combination; basic; outside branch.
Conductor—Voltage drop (line loss); grounded; aluminum or copper.
Conduit—Wiring methods.
Electrical signs, circuits, controls, or services.
Electrical units.
First aid.
Fuses.
General lighting.
Grounding of conductors.
Insulation of wire.
Ladder safety.
Limited energy circuits or systems.
Maintenance of electrical systems.
Mathematics—Figuring percentage.
Motor circuits, controls, feeders, or services.
Ohm's Law.
Overcurrent protection.
Resistance of wire.
Services.
Sizes of building wire.
Three-wire system.
Tools.
Transformer—Ratios; single-phase.

CONTINUING EDUCATION COURSES

WAC 296-401B-600 Continuing education course approval.

- (1) Each continuing education course for renewal of an electrician's certificate of competency must be approved by a three-member subcommittee of the electrical board. The chief electrical inspector will be an exofficio member of this subcommittee.
- (2) To be considered for approval, continuing education courses must consist of not less than four hours of instruction, and be open to monitoring by a representative of the department and/or the electrical board at no charge. If the department determines that the continuing education course does not meet or exceed the minimum requirements for approval, the approval for the course may be revoked or the number of credited hours reduced.
- (3) Approved courses must be based on:
 - (a) Currently adopted edition of the National Electrical Code; and/or
 - (b) Currently adopted administrative rules (chapters 296-46A and 296-401B WAC); or
 - (c) Materials and methods as they pertain to electrical construction, building management systems, electrical maintenance and workplace health and safety.
- (4) The entity seeking approval of a continuing education course will be notified of the subcommittee's decision within five days of the completed review of the application.

WAC 296-401B-610 Offering continuing education courses.

- (1) If the continuing education course is approved, the course may be offered for up to three years without additional approval. If a new edition of the National Electrical Code is adopted within the three-year period, a new application must be submitted for continued approval of any code-related course.

- (2) If the application is not approved, the notice will include an explanation of the reasons for rejection. If the applicant disagrees with the subcommittee's decision, a reconsideration hearing by the electrical board may be requested. The request must be received by the board forty-five days before a regularly scheduled board meeting (see RCW 19.28.311). All additional information to be considered must be submitted not less than thirty days before the board hearing.
- (3) Continuing education course hours presented and/or completed before approval by the subcommittee cannot be used to meet the electrician certificate renewal requirements.

WAC 296-401B-620 Application for continuing education course approval.

- (1) All applications for approval must be on forms provided by the department, and will be reviewed without testimony. The board will only consider information you submit with the application for approval of the continuing education training.
- (2) The department of labor and industries will provide continuing education approval forms to sponsors upon request. The original completed application for training approval, plus three copies, must be received by the department at least forty-five days before the proposed first course is offered.
- (3) Information on the application must include:
 - (a) Course title, number of classroom instruction hours, and whether the training is open to the public.
 - (b) Sponsor's name, address, contact's name and phone number.
 - (c) Course outline (general description of the training, including specific National Electrical Code articles referenced).
 - (d) Lists of resources (texts, references, visual aids).
 - (e) Names and qualifications of instructors.
 - (f) Any additional documentation you want considered.
 - (g) A typed copy of the course completion roster that will be used to document:
 - (i) Each participant's name, an electrician certificate number or Social Security number;
 - (ii) The course number, location, and date(s) of training; and
 - (iii) The instructor's name and signature or signature of the course sponsors' authorized representative.
 - (h) A sample copy of the completion certificate issued to the course participants.

WAC 296-401B-630 Electrician documentation of Washington approved training course completion.

- (1) The department will not be responsible for researching continuing education history for electricians.
- (2) If the department determines that course sponsors have issued inaccurate or false course rosters or certified electricians have filed inaccurate or false continuing education units on the electrician renewal form, the department will initiate penalty action under this chapter.
- (3) Sponsors must forward an accurate and typed course completion roster for each course given within thirty days of course completion.
- (4) The course completion roster must show each participant's name, and electrician certificate number or Social Security number; the course number, location, date of completion, and the instructor's name and signature or signature of the course sponsors' authorized representative.

- (5) If the course sponsor fails to submit a typed completion roster within thirty days of the course date, the department may revoke or suspend the course approval.
- (6) Course sponsors must award a certificate to each participant completing the course from which the participant will be able to obtain:
 - (a) Name of course sponsor.
 - (b) Name of course.
 - (c) Date of course.
 - (d) Course approval number.
 - (e) The number of continuing education units.
- (7) The department will only use a copy of the sponsor's completion roster as final evidence that the participant completed the training course (see WAC 296-401B-130 for renewal requirements).
- (8) The department will keep submitted rosters of the continuing education courses on file for audit purposes. The department is not responsible for the original of any completion certificate issued.

WAC 296-401B-640 Electrician documentation of out of state approved training course completion.

To apply continuing education units earned from out-of-state course sponsors who do not have state of Washington approved courses, the following must be met:

- (1) The department must determine that the course is equivalent to the continuing education requirements; or
- (2) The department must have entered into a reciprocal agreement with the issuing jurisdiction;
- (3) The participants must forward an accurate and completed award or certificate from the course sponsor identifying the course location, and date of completion, participant's name, and Washington electrician certificate number or Social Security number. The department will only accept a copy of the sponsor's certificate or form as evidence that the participant completed the training course.

FEES

WAC 296-401B-700 Fees for certificates of competency, examination and reciprocity.

When an individual applies to take a competency examination or to obtain a certificate of competency, the individual must pay the appropriate fee(s) listed below.

Type of Certificate	Fee
(1) Journeyman or specialty electrician certificate renewal (per 36-month period)	\$66.30
(2) Late renewal of journeyman or specialty electrician certificate (per 36-month period)	\$132.60
(3) Journeyman or specialty electrician examination application (nonrefundable)	\$27.70
(4) Journeyman or specialty electrician original certificate	\$43.70
(5) Training certificate (expires one year after purchase)	\$21.30
(6) Training certificate renewal or update of hours	\$21.30
(7) Unsupervised electrical training certificate	\$21.30
(8) Journeyman or specialty electrician test or retest	\$50.10
(9) Reciprocal journeyman or specialty certificate	\$71.40
(10) Reinstatement of journeyman or specialty certificate	\$21.30
(11) Continuing education course submittal and approval, per course	\$42.60
(12) Continuing education course renewal, per course	\$21.30
(13) Refund processing fee. All requests for refunds will be assessed a processing fee	\$10.80

Note: Failure to appear for an examination results in forfeiture of the examination fee.

FALSE STATEMENTS OR MATERIAL MISREPRESENTATION

WAC 296-401B-800 Penalties for false statements or material misrepresentations.

- (1) A person who knowingly makes a false statement or material misrepresentation on an application, statement of hours, or signed statement required by the department may be referred to the county prosecutor for criminal prosecution under RCW 9A.72.020, 9A.72.030, and 9A.72.040. The department may also file a civil action under RCW 19.28.271 and may revoke or suspend a certificate of competency under RCW 19.28.271.
- (2) The department may file a civil action under RCW 19.28.271 and may revoke or suspend a certificate of competency under RCW 19.28.341 or 19.28.241 for inaccurate reporting of continuing education units on the journeyman or specialty electrician renewal form.
- (3) The department may file a civil action under RCW 19.28.271 and may subtract up to 2,000 hours of employment from a trainee's total hours, if the department determines the trainee has made a false statement or material misrepresentation in an affidavit of experience.

REVOCATION, SUSPENSION, AND CONFISCATION OF CERTIFICATES, TEMPORARY PERMITS, AND TRAINING CERTIFICATES

WAC 296-401B-850 Revocation or suspension of a certificate of competency or training certificate.

- (1) The department may revoke or suspend a certificate of competency or training certificate if:
 - (a) The certificate was obtained through error or fraud;
 - (b) The certificate holder is judged to be incompetent to work in the electrical construction trade as a journeyman electrician, specialty electrician, electrical technician, or electrical trainee;
 - (c) The certificate holder has violated any of the provisions of chapter 19.28 RCW or any rule adopted under chapter 19.28 RCW; or
 - (d) The certificate holder falsely or inaccurately reported continuing education units on an application for renewal.
- (2) Before a certificate of competency or training certificate is revoked or suspended, the certificate holder will be given written notice of the department's intention to do so. Notification will be sent by registered mail to the certificate holder's last known address.

The notification will list the allegations against the certificate holder, and give the certificate holder the opportunity to request a hearing before the electrical board. The board will conduct the hearing in accordance with chapter 34.05 RCW, the Administrative Procedure Act. At the hearing the certificate holder may produce witnesses and give testimony. The hearing judge will render a decision based upon the testimony and evidence presented in the hearing, and will notify the certificate holder immediately upon reaching its decision.

WAC 296-401B-860 Revocation of an electrician temporary permit.

- (1) The department may revoke any electrician temporary permit if:
 - (a) The electrician temporary permit was obtained through error or fraud;
 - (b) The electrician temporary permit holder is judged to be incompetent to work in the electrical construction trade as a journeyman electrician, specialty electrician, or electrical technician; or
 - (c) The electrician temporary permit holder has violated any of the provisions of chapter 19.28 RCW or any rule adopted under chapter 19.28 RCW.

WAC 296-401B-870 Confiscation of a certificate of competency, an electrician temporary permit, or training certificate.

The department may confiscate a certificate or permit that is counterfeit, revoked, expired, suspended, or altered. The individual may be referred to the county prosecutor for criminal prosecution under chapter 9A.72 RCW. The department may also file a civil action under RCW 19.28.271.

ENFORCEMENT

WAC 296-401B-900 Enforcement.

- (1) The department of labor and industries ensures that employers and employees comply with the requirements of chapter 19.28 RCW, Electricians and electrical installations, and chapter

296-401B WAC, Certification of competency for journeyman electricians, by inspecting electrical job sites. To do this, inspections are made by the department's compliance officers or electrical inspectors.

(2) Compliance officers or electrical inspectors determine whether:

- (a) Each person doing electrical work on the job site has a proper journeyman, specialty, or training certificate or permit;
- (b) The ratio of certified journeyman/specialty electricians to the certified trainees on the job site is correct; and
- (c) Each certified trainee is directly supervised by an individual with a journeyman or appropriate specialty certificate of competency or permit for the type of electrical work being performed.

WAC 296-401B-910 Failure to comply with electrician certification law.

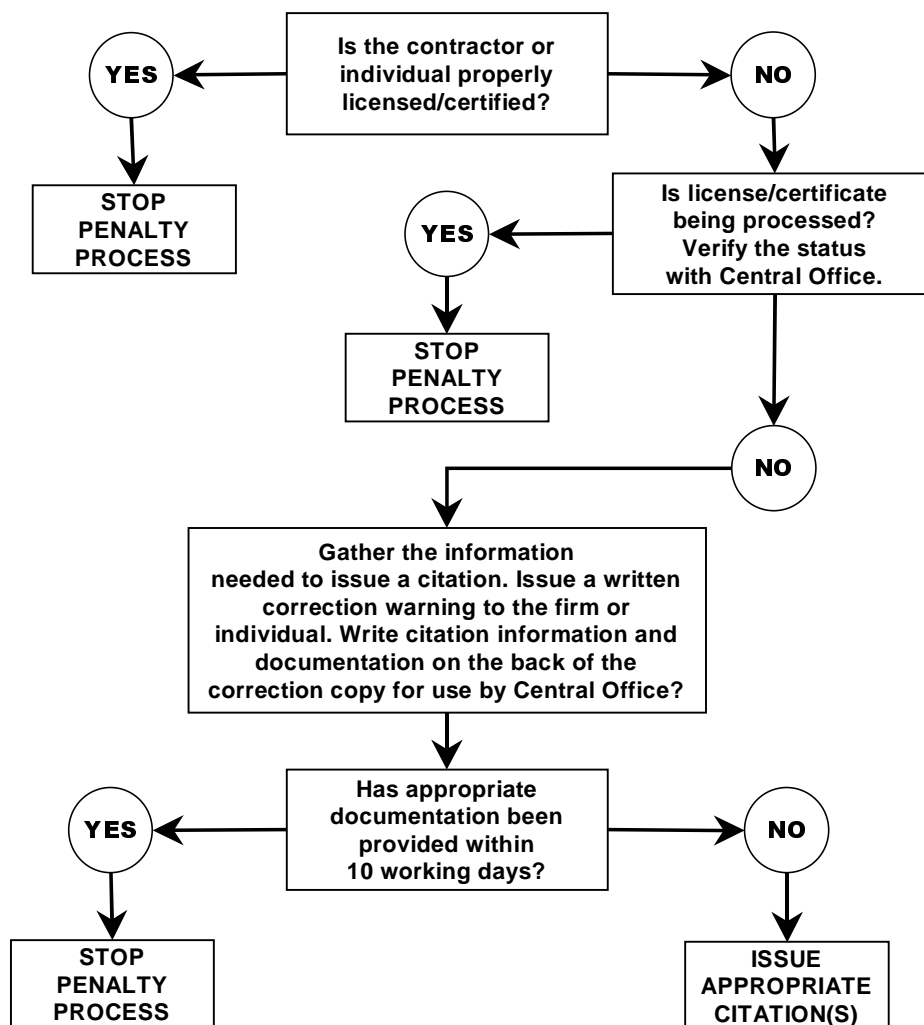
- (1) If the compliance officer or electrical inspector determines that an individual, employer, or employee has violated chapter 19.28 RCW, Electricians and electrical installations, or chapter 296-401B WAC, Certification of competency for journeyman electricians, the department will issue a citation that describes the reason for the violation. A cease and desist order may be issued by the compliance officer or electrical inspector if the individual, employer, or employee continues to violate the law.
- (2) Individuals, employers, and employees may appeal the citation or cease and desist order by requesting a hearing pursuant to RCW 19.28.131, 19.28.271, 19.28.341, 19.28.381, and/or 19.28.490.
- (3) A request for hearing does not stay the effect of the citation or cease and desist order.
- (4) If the individual, employer, or employee disobeys the cease and desist order, the department will apply to superior court for a court order enforcing the cease and desist order. If the individual, employer, or employee disobeys the court order, the department may request the attorney general to apply to the superior court for an order holding the individual, employer, or employee in contempt of court.

WAC 296-401B-920 Special enforcement procedures.

Noncompliance enforcement procedures for the following specialties are outlined in Figure 1 (below). If a citation is issued for failure to comply with the certification requirements and enforcement procedures, the individual will lose the ability to apply any previous specialty work experience training credit (see WAC 296-401B-455(2)) toward examination qualification.

- (1) Domestic well specialty electrical technician (03A)
- (2) Limited energy (06) - Stand alone amplified sound (RESIDENTIAL ONLY)
- (3) HVAC/refrigeration limited energy technician (06A)
- (4) Nonresidential Maintenance (07)
- (5) Nonresidential lighting maintenance and lighting retrofit (07A)
- (6) Residential maintenance (07B)
- (7) Door, window, gate, and similar systems (10)

Figure 1
ELECTRICAL SPECIALTY
Interim Licensing/Certification Requirements



HVAC/refrigeration (06A)	Begin interim enforcement: July 1, 2000 Begin full enforcement: January 1, 2002
Domestic well (03A), Limited energy (06) (residential stand-alone sound only), Nonresidential maintenance (07), Nonresidential lighting maintenance and lighting retrofit (07A), Residential maintenance (New 07B), Door, window, gate and similar systems (New 10)	Begin interim enforcement: July 1, 2001 Begin full enforcement: January 1, 2002

APPEAL RIGHTS AND HEARINGS

WAC 296-401B-950 Appeal rights.

If a firm or individual disagrees with a decision of the department, an appeal hearing to the board may be requested within twenty days of receipt of the department decision.

WAC 296-401B-960 Types of appeals.

There are formal and informal appeals. See chapter 296-13 WAC, Electrical board, for descriptions of informal and formal appeals. "Contested cases" as defined by chapter 296-13 WAC require a formal appeal. A formal appeal will be held in conformance with the requirements of the Administrative Procedure Act, chapter 34.05 RCW and will be assigned by the board to an administrative law judge.

WAC 296-401B-970 Appeal procedures.

- (1) An appeal must be made in writing to the department chief electrical inspector, as secretary to the board, within twenty calendar days of service of notice of the disputed decision. The written appeal must state the decision of the department that is being appealed and the relief that is desired.
- (2) A written request for an appeal must be made per the requirements of RCW 19.28.111, Disputes; RCW 19.28.121, Board-Request for ruling; RCW 19.28.131, Appeal; RCW 19.28.241, Revocation of certificate of competency; RCW 19.28.271, Appeal; RCW 19.28.341, Revocation or suspension of license, or RCW 19.28.381, Denial of renewal of certificate or license for outstanding penalties.

WAC 296-401B-980 Department conferences.

Within twenty calendar days of receipt of notice of intent, the affected firm or individual may request a conference before the department. Should the firm or individual disagree with the decision of the department, an appeal may be made to the electrical board under the procedures in WAC 296-401B-970.

WAC 296-401B-990 General.

See chapter 296-13 WAC for additional information on appeals before the electrical board.

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